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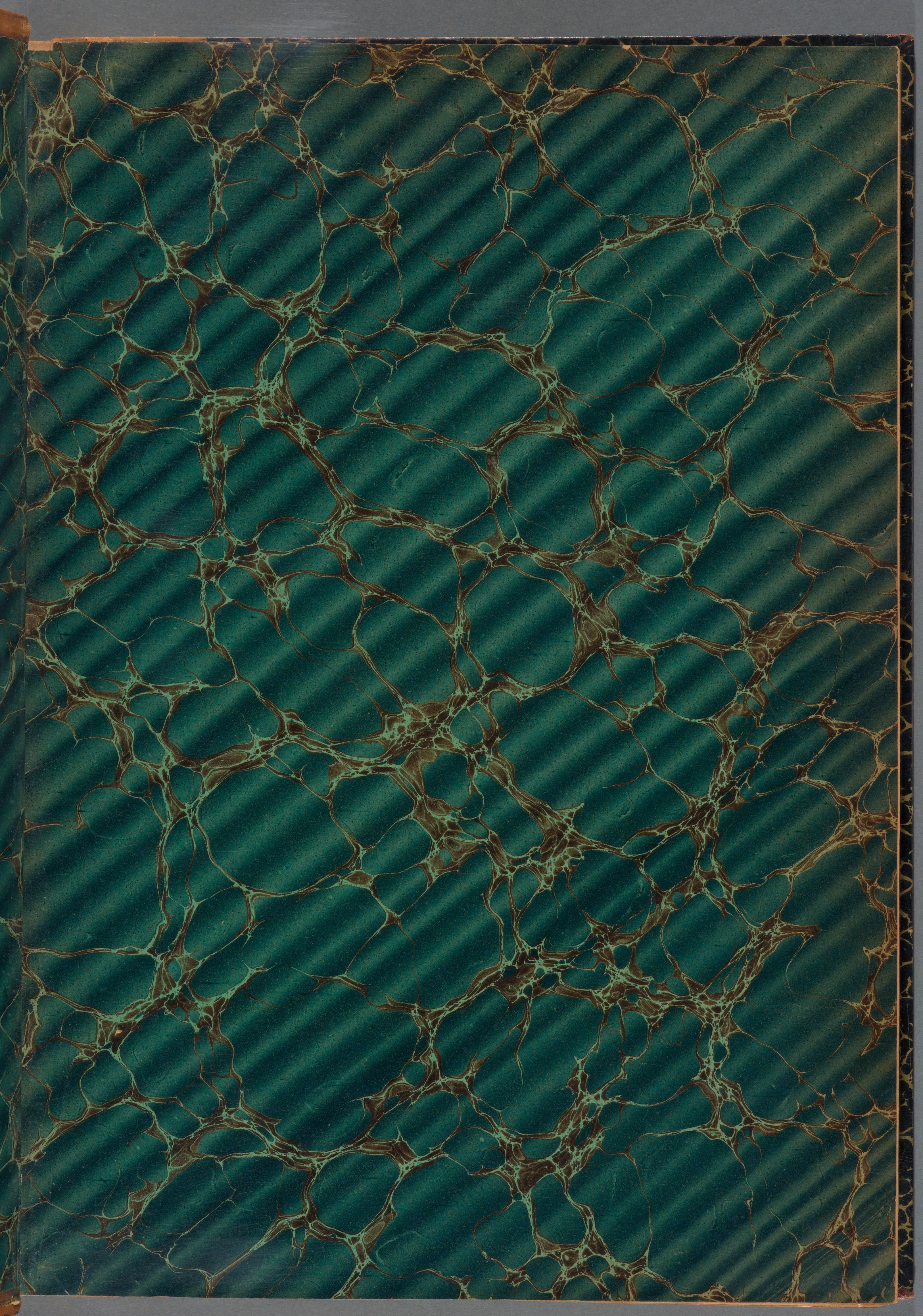
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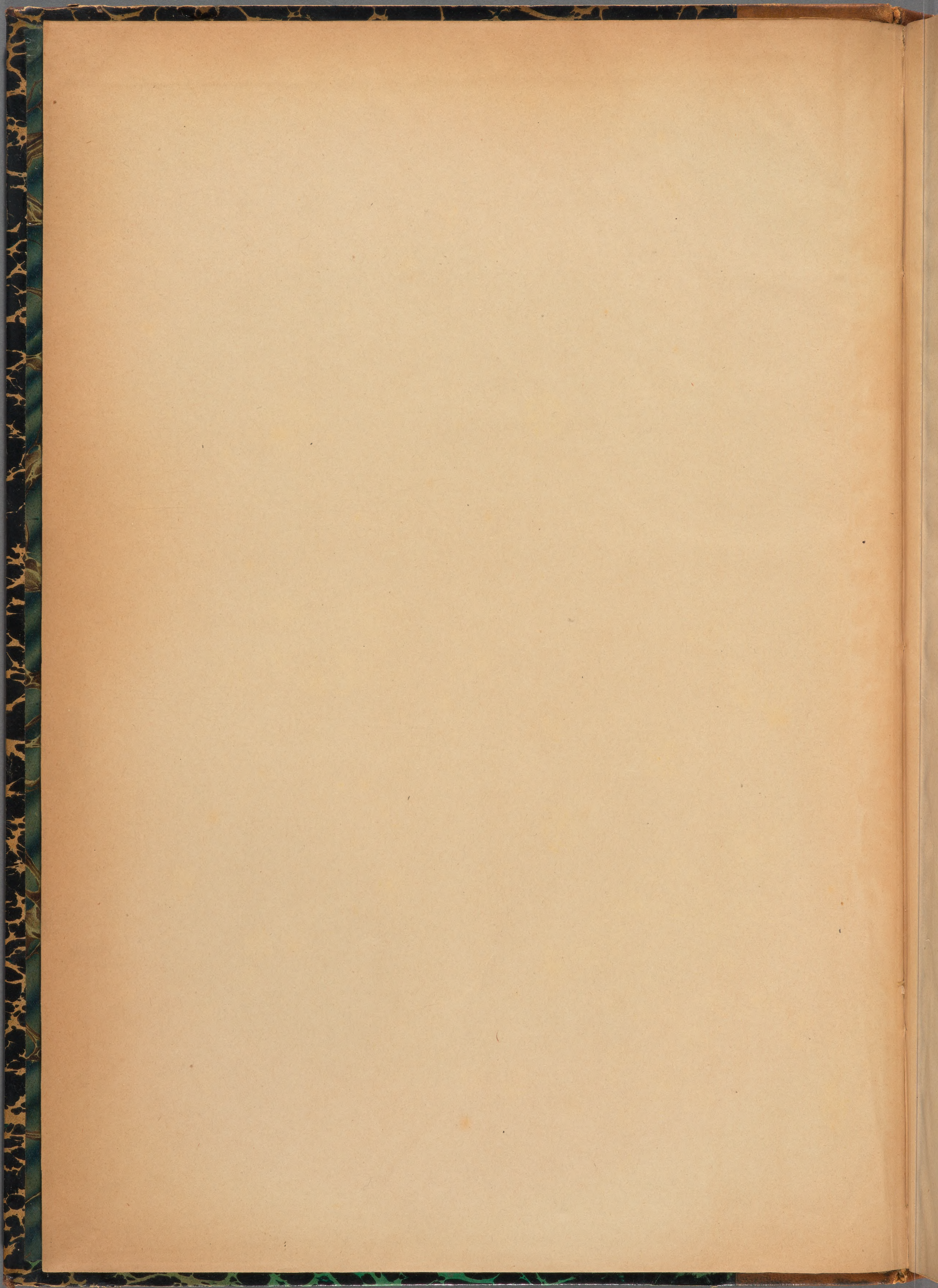
THE GIFT OF  
FRANCIS SKINNER  
OF DEDHAM  
IN MEMORY OF  
FRANCIS SKINNER  
(H. C. 1862)

Received Jan. 1910.

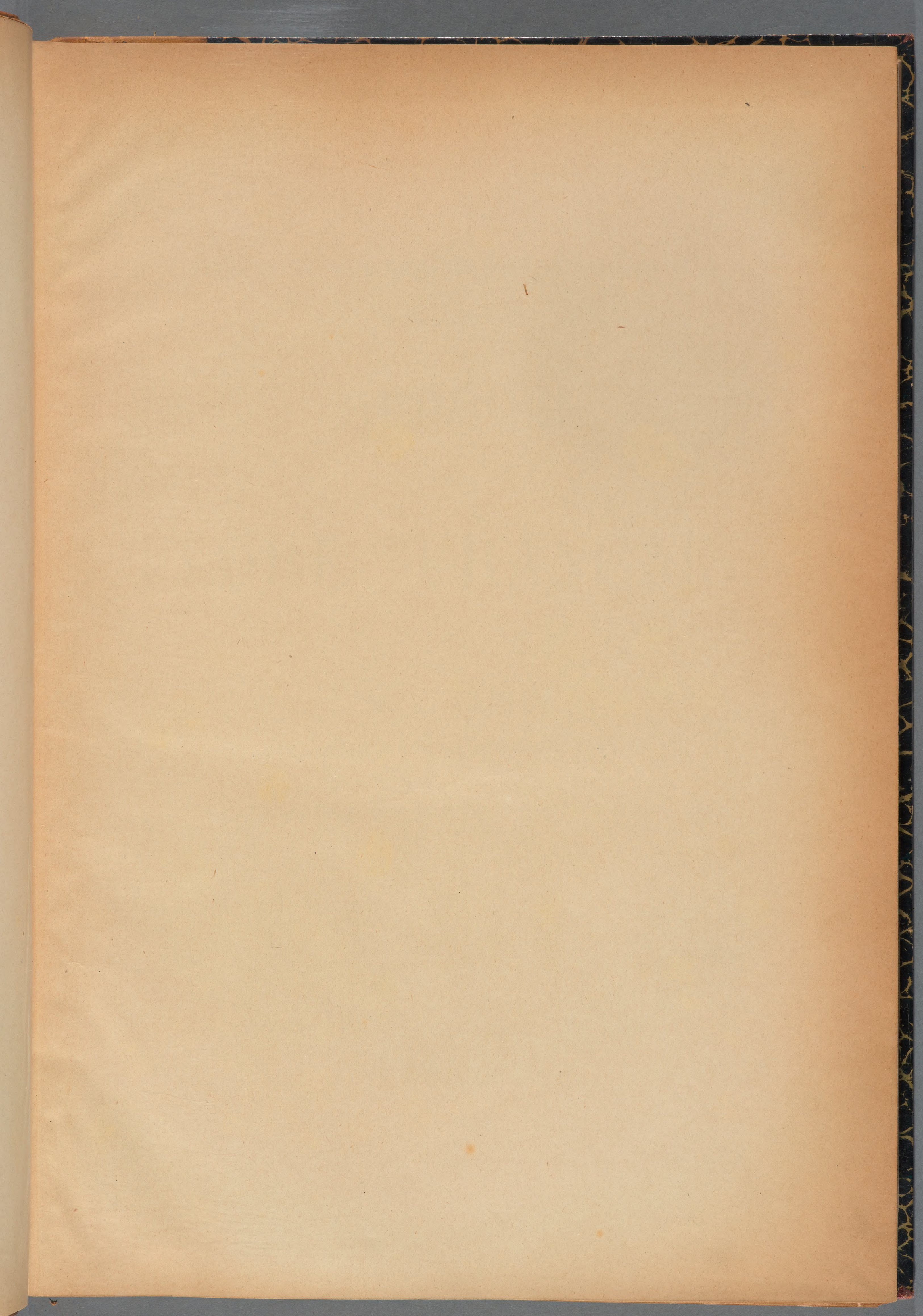




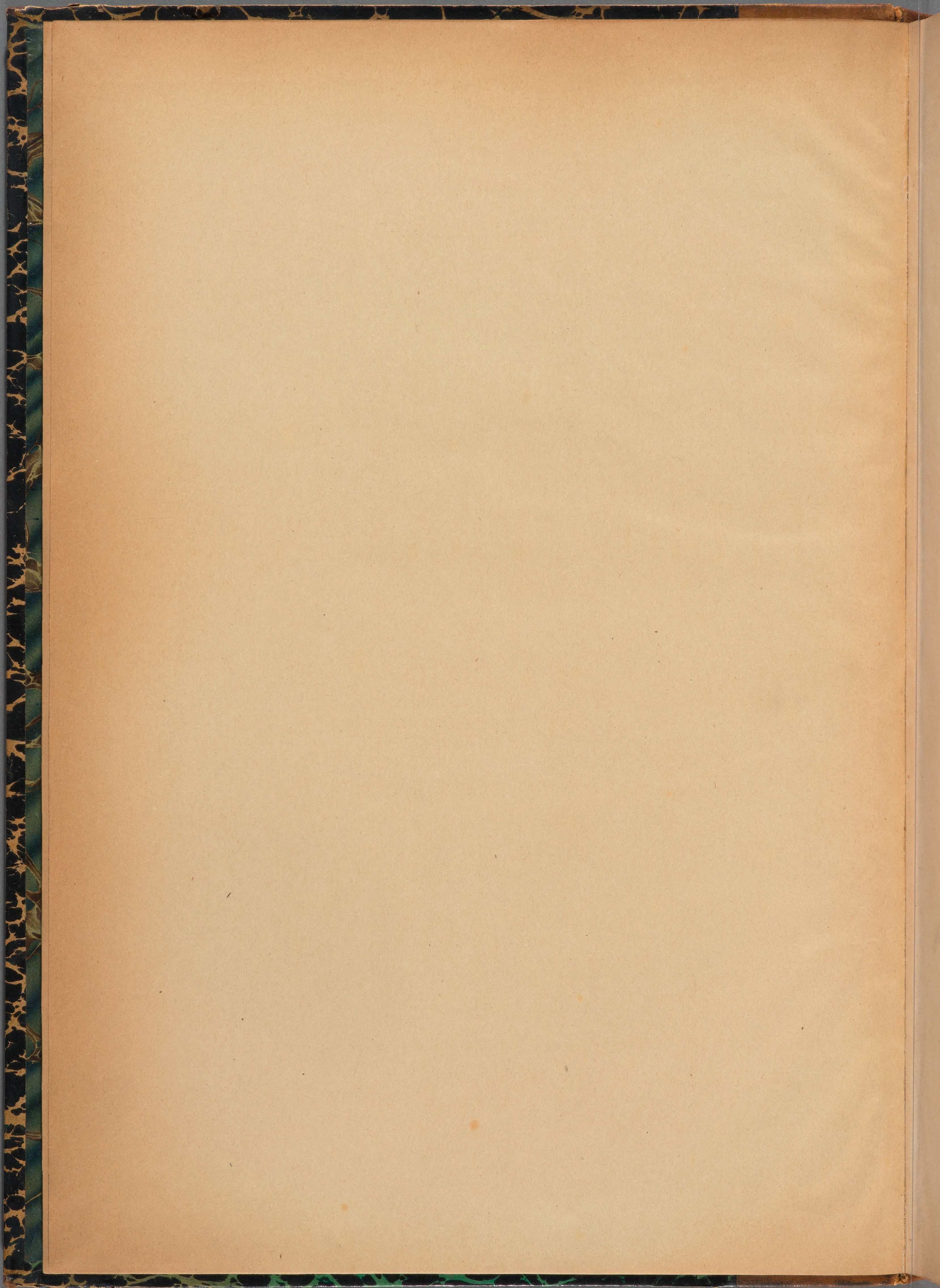














PROCÉDÉ DE REPRODUCTION DIT PHYTOXYGRAPHIQUE.

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HERBIER  
DE LA  
FLORE FRANÇAISE

PAR  
M. L. CUSIN

AIDE-NATURALISTE AU JARDIN BOTANIQUE DE LYON.

Publié sous le patronage du Service du Parc et des Jardins de la ville de Lyon.

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LYON

1874







## 2<sup>e</sup> DIVISION. — CYNAROCÉPHALES.

Fleurs toutes tubuleuses ; celles du centre hermaphrodites, régulières ; celles de la circonférence, tantôt hermaphrodites et semblables, tantôt stériles et plus grandes. Style articulé et renflé en nœud vers le sommet.



### 55<sup>e</sup> GENRE. — *Echinops*. L.

*E. sphærocephalus* L..... pl. 229. | *E. Ritro* L..... pl. 230.

### 56<sup>e</sup> GENRE. — *Galactites*. Mœnch.

*G. tomentosa* Mœnch..... pl. 231.

### 57<sup>e</sup> GENRE. — *Tyrimnus*. Cass.

*T. leucographus* Cass..... pl. 232.

### 58<sup>e</sup> GENRE. — *Silybum*. Vaill.

*S. Marianum* Gærtn..... pl. 233.

### 59<sup>e</sup> GENRE. — *Onopordon*. Vaill.

*O. Acanthium* L..... pl. 234.  
*O. tauricum* Willd..... 235.

*O. illyricum* L..... pl. 236.  
*O. arabicum* L..... 237.

*O. acaule* L..... pl. 238.

### 60<sup>e</sup> GENRE. — *Cynara*. Vaill.

*C. Cardunculus* L..... pl. 239.

### 61<sup>e</sup> GENRE. — *Notobasis*. Cass.

*N. syriaca* Cass..... pl. 240.

### 62<sup>e</sup> GENRE. — *Picnomon*. Lob.

*P. Acarna* Cass..... pl. 241.

### 63<sup>e</sup> GENRE. — *Cirsium*. Tourn.

*C. italicum* D. C..... pl. 242.  
*C. lanceolatum* Scop..... 243-244.  
*C. echinatum* D. C..... 246.  
*C. ferox* D. C..... 247.  
*C. eriophorum* Scop..... 249.  
*C. palustre* Scop..... 251-252.  
*C. monspessulanum* All.. 254-255.  
*C. oleraceum* Scop..... 260-261.  
*C. rivulari-olerac*..... 262.

*C. oleraceo-rivul*..... pl. 263.  
*C. oleraceo-Erisith*..... 264.  
*C. Erisithales* Scop..... 265.  
*C. bulboso-oler*..... 266.  
*C. bulbosum* D. C..... 267.  
*C. anglicum* Lob..... 268.  
*C. rivulare* Link..... 269-270.  
*C. spinosissimum* Scop..... 271.  
*C. glabrum* D. C..... 272.

*C. spinosissimo-heteroph* 274  
*C. heterophyllum* All..... 276-277.  
*C. acaule* All..... 279.  
*C. bulboso-acaul*..... 280.  
*C. oleraceo-acaul*..... 281.  
*C. arvense* Scop..... 283.  
*C. setosum* Bieb..... 284.



64° GENRE. — *Carduus*. *Gærtn.*

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<i>C. pycnocephalus</i> L..... 286.	<i>C. acanthoides</i> L..... 295.	<i>C. carlinæfolius</i> Lamk..... 302.
<i>C. acicularis</i> Bert ..... 287.	<i>C. nutans</i> L..... 296.	<i>C. defloratus</i> L..... 303.
<i>C. cephalanthus</i> Viv..... 289.	<i>C. nigescens</i> Vill..... 297.	<i>C. medius</i> Gou..... 304.
<i>C. fasciculiflorus</i> Viv..... 290.	<i>C. vivariensis</i> Jord..... 298.	<i>C. carlinoides</i> Gou..... 305.
<i>C. Personata</i> Jacq..... 291.	<i>C. hamulosus</i> Ehrh..... 299.	
<i>C. crispus</i> L..... 292-293.	<i>C. sanctæ-Balmæ</i> Lois..... 300.	

65° GENRE. — *Carduncellus*. *Adans.*

*C. mitissimus* D. C..... pl. 306. | *C. monspeliensium* All..... pl. 307.

66° GENRE. — *Rhaponticum*. *D. C.*

*R. cynaroides* Less..... pl. 308. — *R. heleniifolium* G. G..... pl. 309. | *R. scarosum* Lamk..... pl. 310.

67° GENRE. — *Centaurea*. *L.*

<i>C. splendens</i> Bieb..... pl. 311.	<i>C. pullata</i> L..... 328.	<i>C. leucophæa</i> Jord ..... 346.
<i>C. amara</i> L..... 312.	<i>C. montana</i> L..... 329-330.	<i>C. paniculata</i> L ..... 347.
<i>C. serotina</i> Bor..... 313.	<i>C. lugdunensis</i> Jord..... 331.	<i>C. rigidula</i> Jord ..... 348.
<i>C. Jacea</i> L..... 314.	<i>C. semidecurrens</i> Jord..... 332.	<i>C. polycephala</i> Jord..... 349.
<i>C. tubulosa</i> Chab..... 315.	<i>C. axillaris</i> Willd..... 333.	<i>C. diffusa</i> Lamk ..... 350.
<i>C. microptilon</i> G. G..... 316.	<i>C. seuseana</i> Chaix..... 334.	<i>C. collina</i> L..... 351.
<i>C. pratensis</i> Thuill..... 317.	<i>C. Cyanus</i> L..... 335.	<i>C. napifolia</i> L..... 352.
<i>C. nemoralis</i> Jord..... 318.	<i>C. cinerea</i> Lamk..... 336.	<i>C. sonchifolia</i> L..... 353.
<i>C. nigra</i> L..... 319.	<i>C. scabiosa</i> L..... 337.	<i>C. sphærocephala</i> L..... 354.
<i>C. decipiens</i> Thuill..... 320.	<i>C. calcarea</i> Jord..... 338.	<i>C. aspera</i> L..... 355.
<i>C. mutabilis</i> St-A..... 321.	<i>C. Kotschyana</i> Hoffm..... 339.	<i>C. aspero-calcitrapa</i> .... 356.
<i>C. procumbens</i> Balb..... 322.	<i>C. sempervirens</i> L..... 340.	<i>C. calcitrapo-aspera</i> ..... 357.
<i>C. Jordiniana</i> G. G..... 323.	<i>C. intybacea</i> Lamk..... 341.	<i>C. Calcitrapa</i> L..... 358.
<i>C. pectinata</i> L..... 324.	<i>C. corymbosa</i> Pourr ..... 342.	<i>C. trichacantha</i> D. C..... 360.
<i>C. uniflora</i> L..... 325.	<i>C. maculosa</i> Lamk..... 343.	<i>C. melitensis</i> L..... 361.
<i>C. nervosa</i> Willd..... 326.	<i>C. cærulescens</i> Willd..... 344.	<i>C. solstitialis</i> L..... 362.
<i>C. Ferdinandi</i> Gr..... 327.	<i>C. Hanrii</i> Jord..... 345.	

68° GENRE. — *Microlonchus*. *D. C.*

*M. salmanticus* D. C..... 363.

69° GENRE. — *Kentrophyllum*. *Neck.*

*K. cæruleum* G. G. .... pl. 364. | *K. lanatum* D. C..... pl. 365.

70° GENRE. — *Cnicus*. *Vaill.*

*C. benedictus* L..... pl. 366.

71° GENRE. — *Crupina*. *Cass.*

*C. vulgaris* Cass..... pl. 367. | *C. brachypappa* Jord..... pl. 368. | *C. Morisii* Bor..... pl. 369.

72° GENRE. — *Serratula*. *D. C.*

*S. tinctoria* L..... pl. 370-371. | *S. heterophylla* Desf..... pl. 372. | *S. nudicaulis* D. C..... pl. 373.

73° GENRE. — *Jurinea*. *Cass.*

*J. Bocconi* Guss..... pl. 374. | *J. pyrenaica* G. G..... pl. 375.

74° GENRE. — *Leuzea*. *D. C.*

*C. conifera* D. C..... pl. 376.

75° GENRE. — *Berardia*. *Vill.*

*B. subacaulis* Vill..... 377.

76° GENRE. — *Saussurea*. *D. C.*

*S. depressa* Gr..... pl. 378. | *S. alpina* D. C..... pl. 379. | *S. discolor* D. C..... pl. 381.

77° GENRE. — *Stæhelina*. *D. C.*

*S. dubia* L..... pl. 382.



78° GENRE. — *Chamæpeuce*. *Prosp.*

*C. Casabonæ* D. C. .... pl. 383.

79° GENRE. — *Carlina*. *Tourn.*

*C. vulgaris* L. .... pl. 384.

*C. macrocephala* Mor. .... 386.

*C. lanata* L. .... 387.

*C. corymbosa* L. .... pl. 388.

*C. acaulis* L. .... 389-391.

*C. acanthifolia* All. .... 392.

*C. gummifera* Less. .... pl. 393.

80° GENRE. — *Atractylis*. *L.*

*A. cancellata* L. .... pl. 394. | *A. humilis* L. .... pl. 395.

81° GENRE. — *Lappa*. *Tourn.*

*L. minor* D. C. .... pl. 396.

| *L. major* Gært. .... pl. 397.

| *L. tomentosa* Lamk. .... pl. 398.

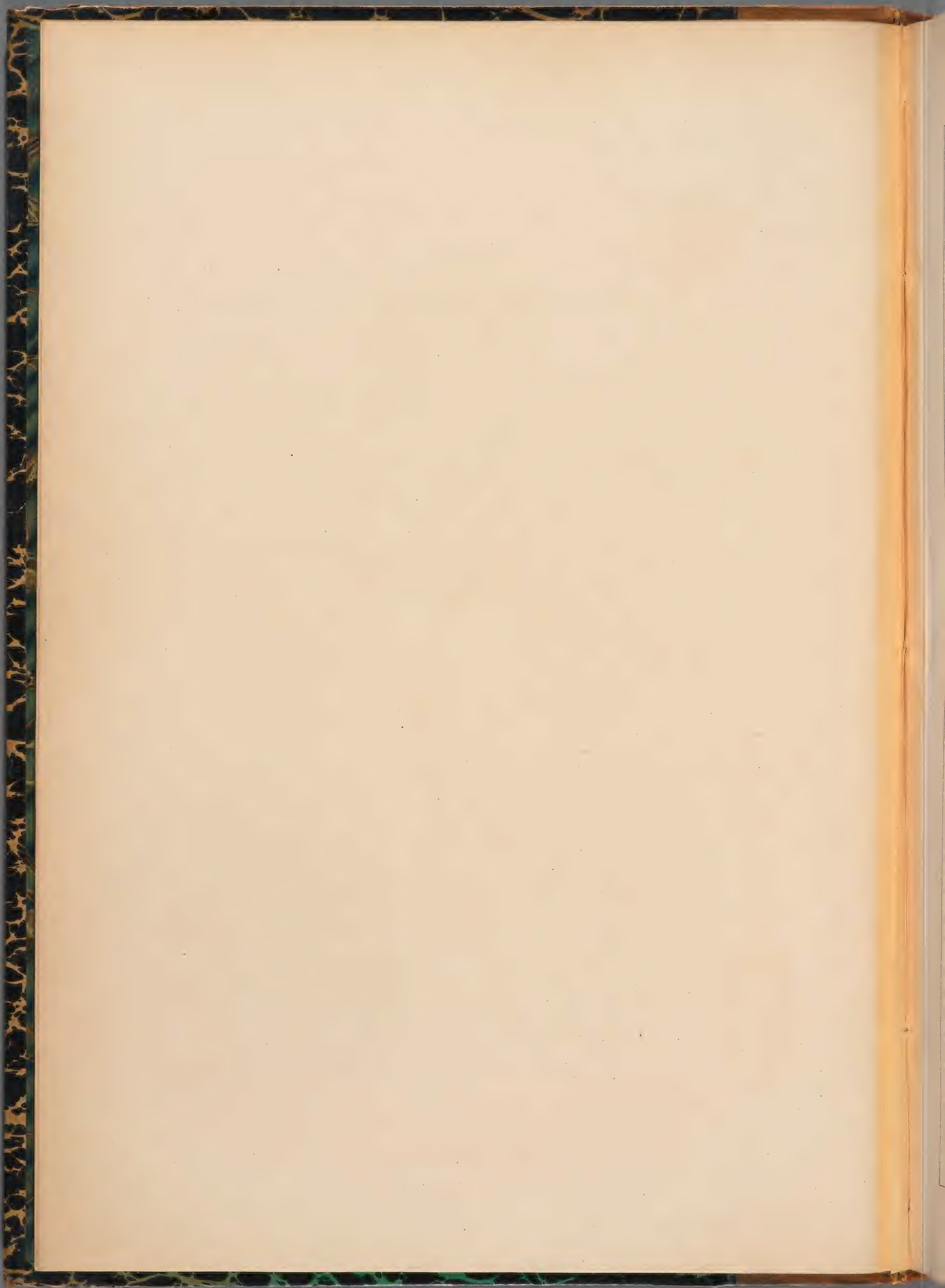
82° GENRE. — *Xeranthemum*. *Tourn.*

*X. annuum* L. .... pl. 399

| *X. inapertum* Wild. .... pl. 400

| *X. cylindraceum* Sib. .... pl. 401









ECHINOPS SPHÆROCEPHALUS L. 26



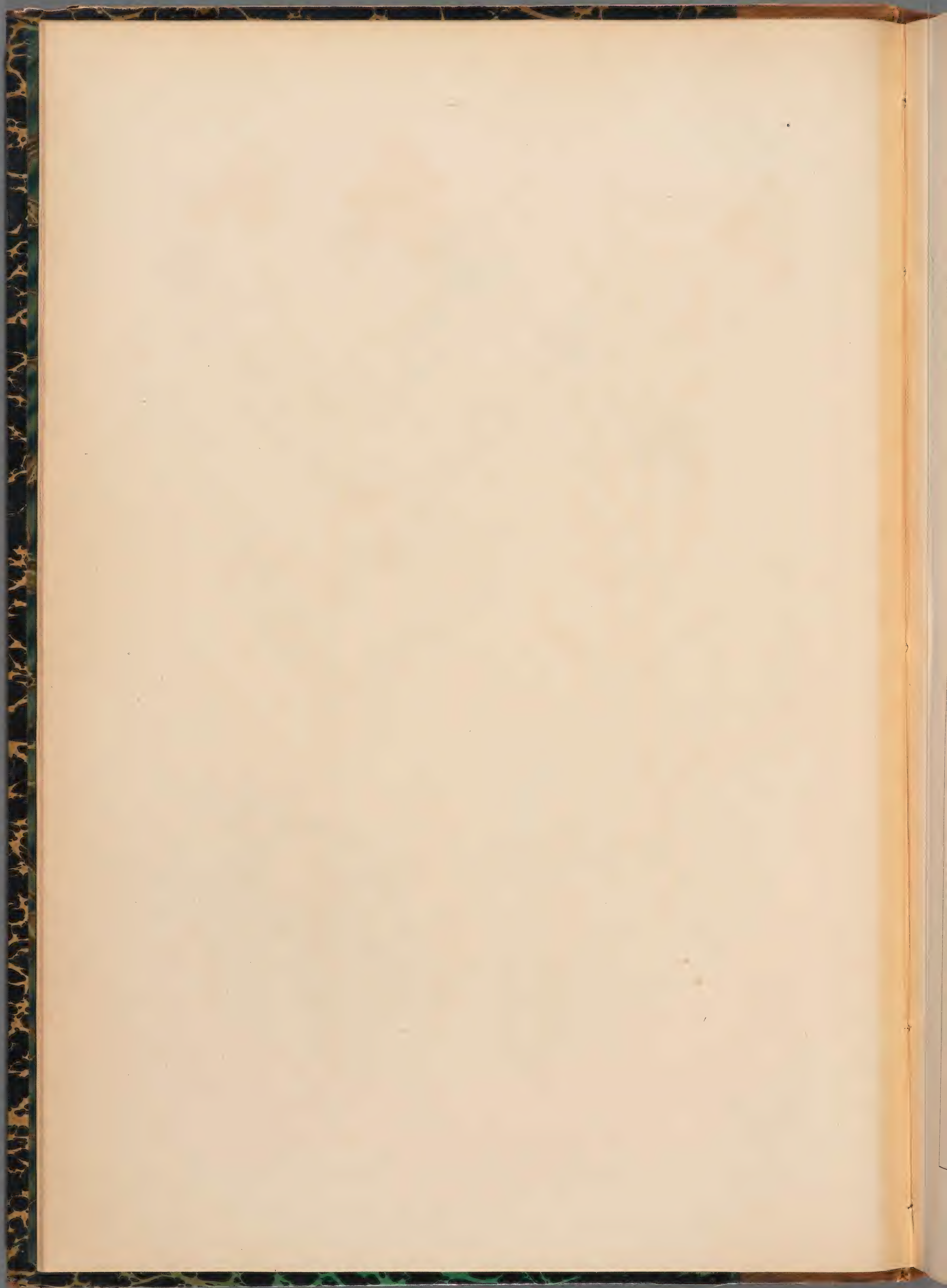






E. RITRO. L. 2



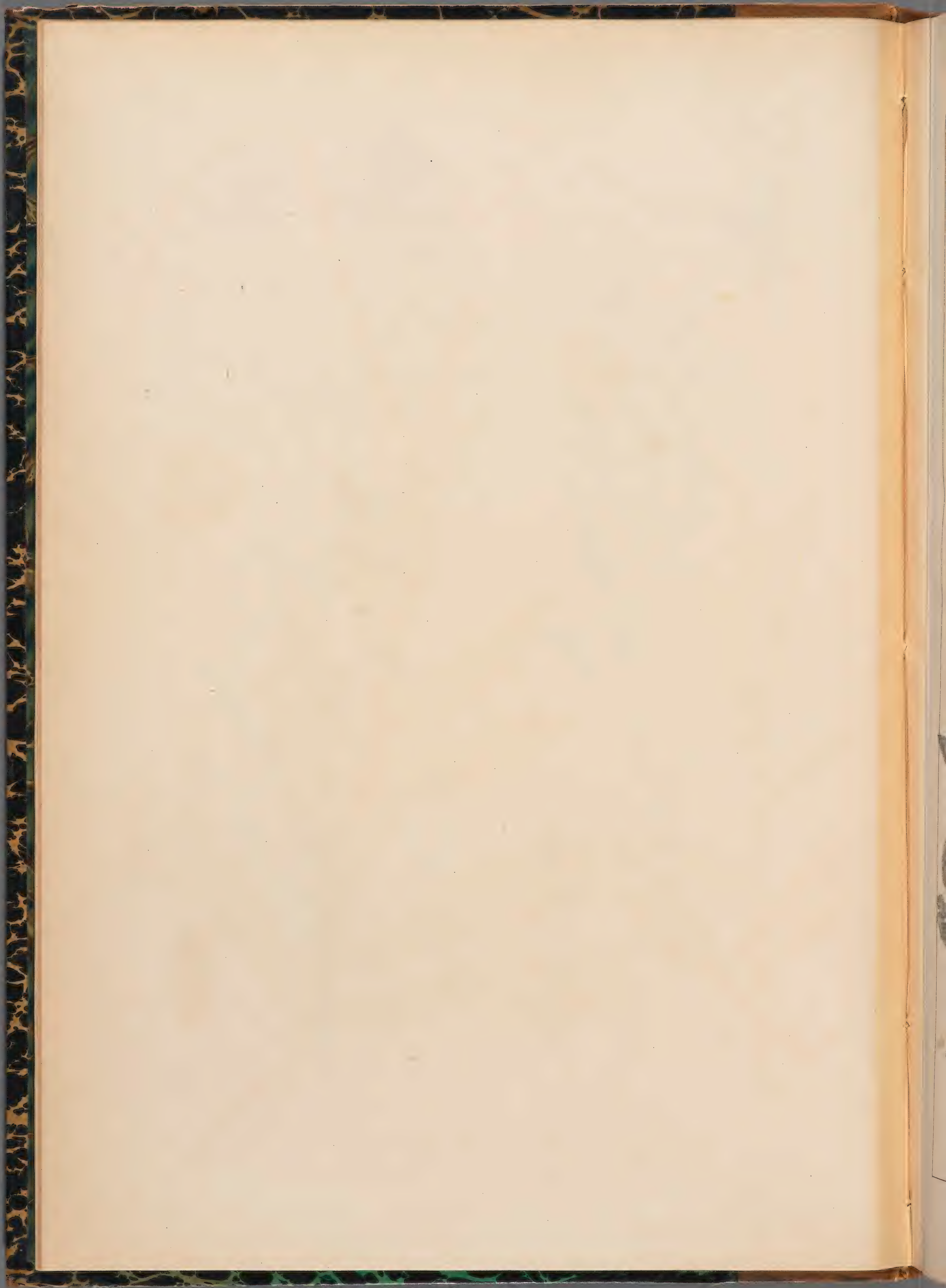






GALACTITES TOMENTOSA. MENCH. 7



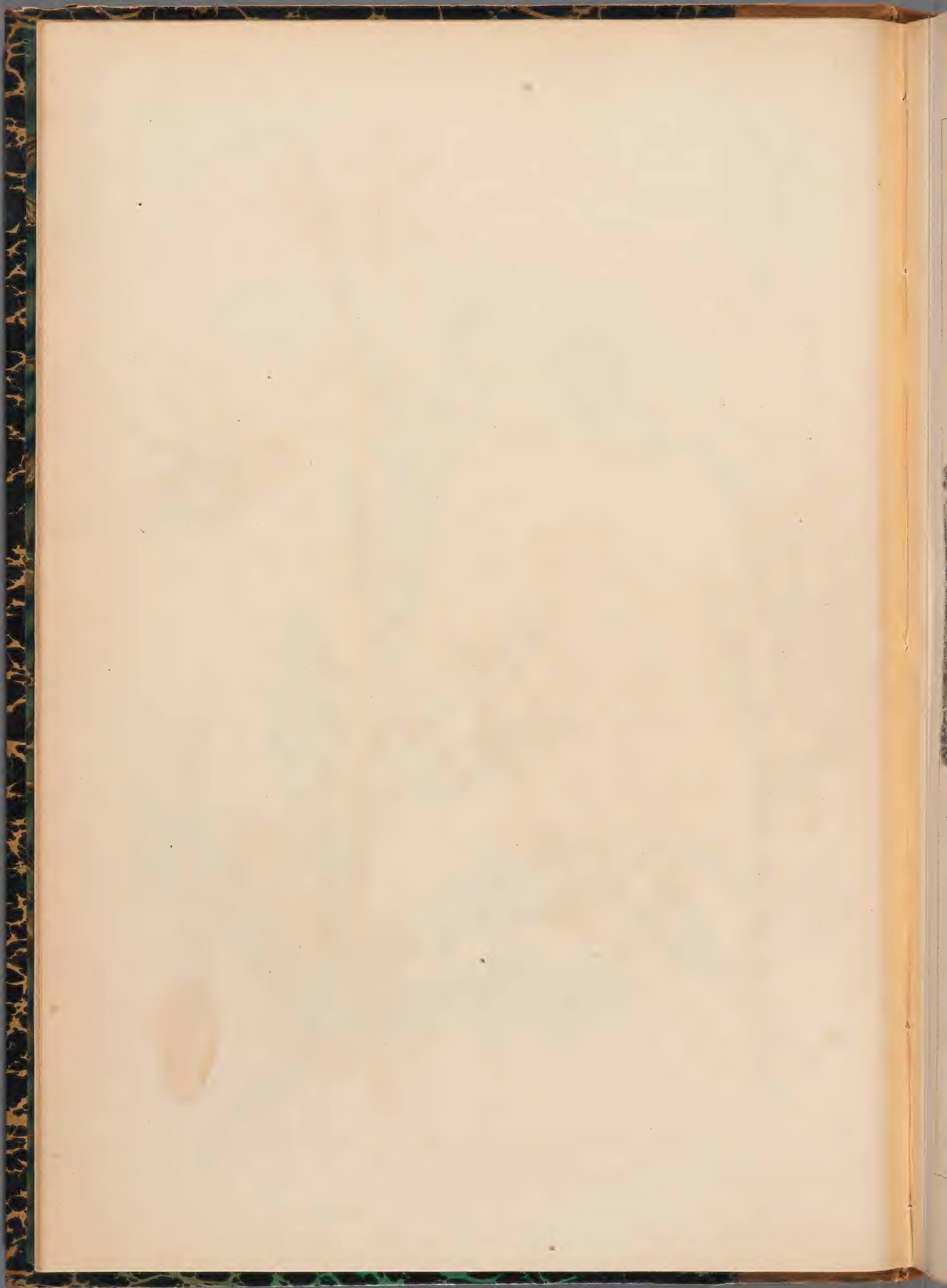






TYRIMNUS LEUCOGRAPHUS. CASS. ②



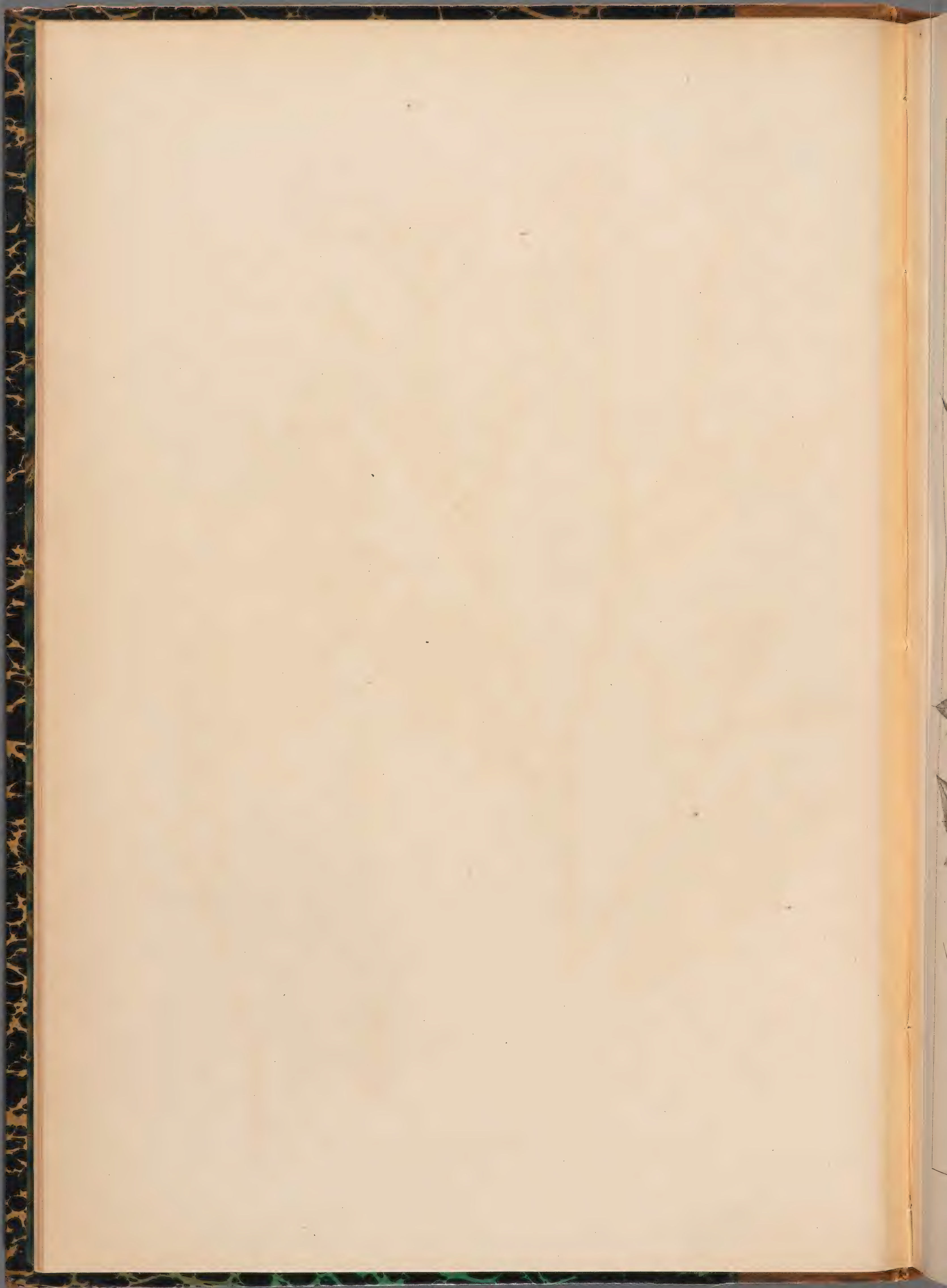






SILYBUM MARIANUM. GÆRTN. ②

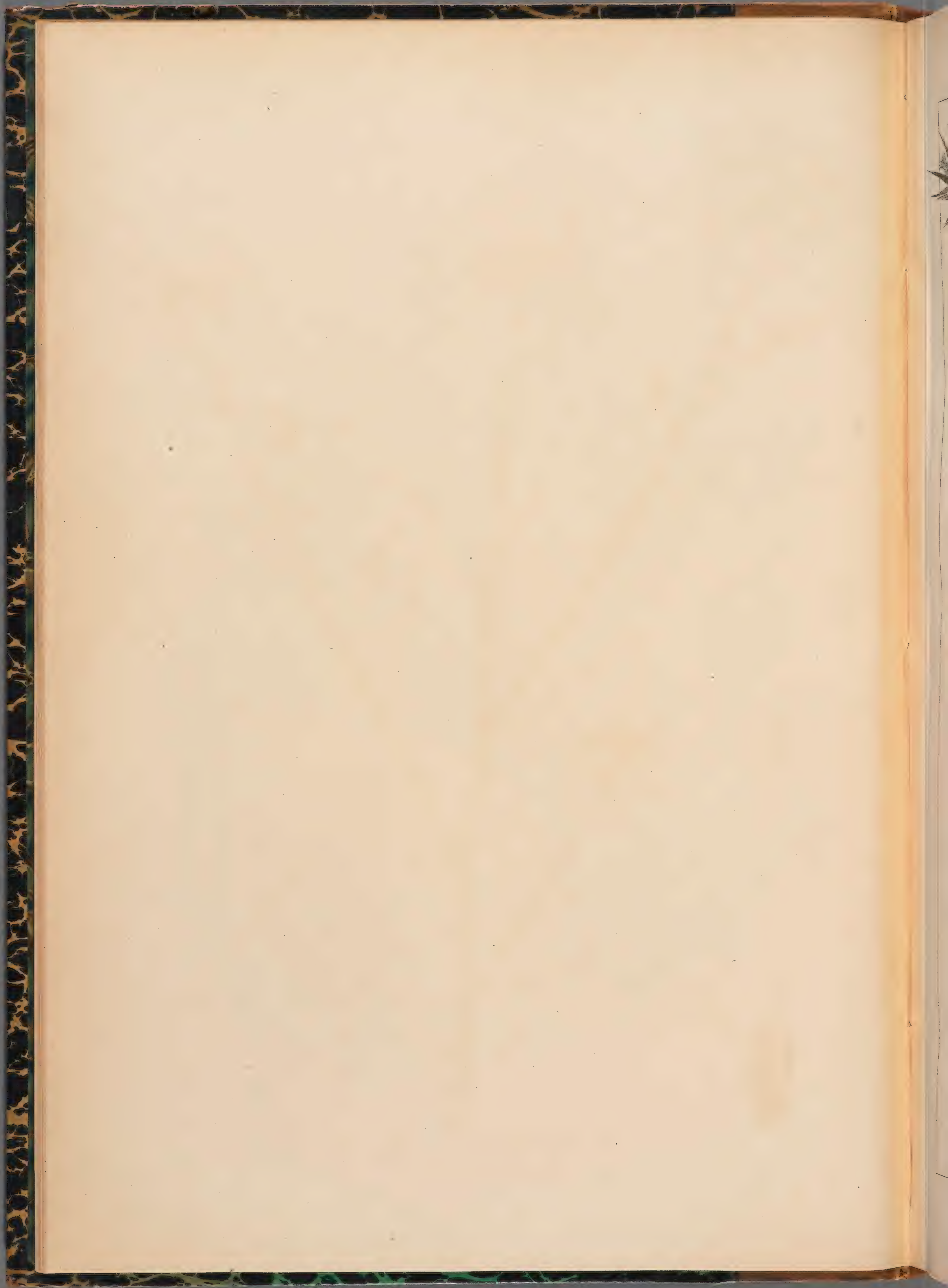
















O. TAURICUM. Willd. ②









O. ILLYRICUM. L. 24









O. ARABICUM L. ②









O . ACAULE . L . ②









CYNARA CARDUNCULUS. L. 2









NOTOBASIS SYRIACA. CASS. ①









PICNOMON ACARNA. CASS. ①



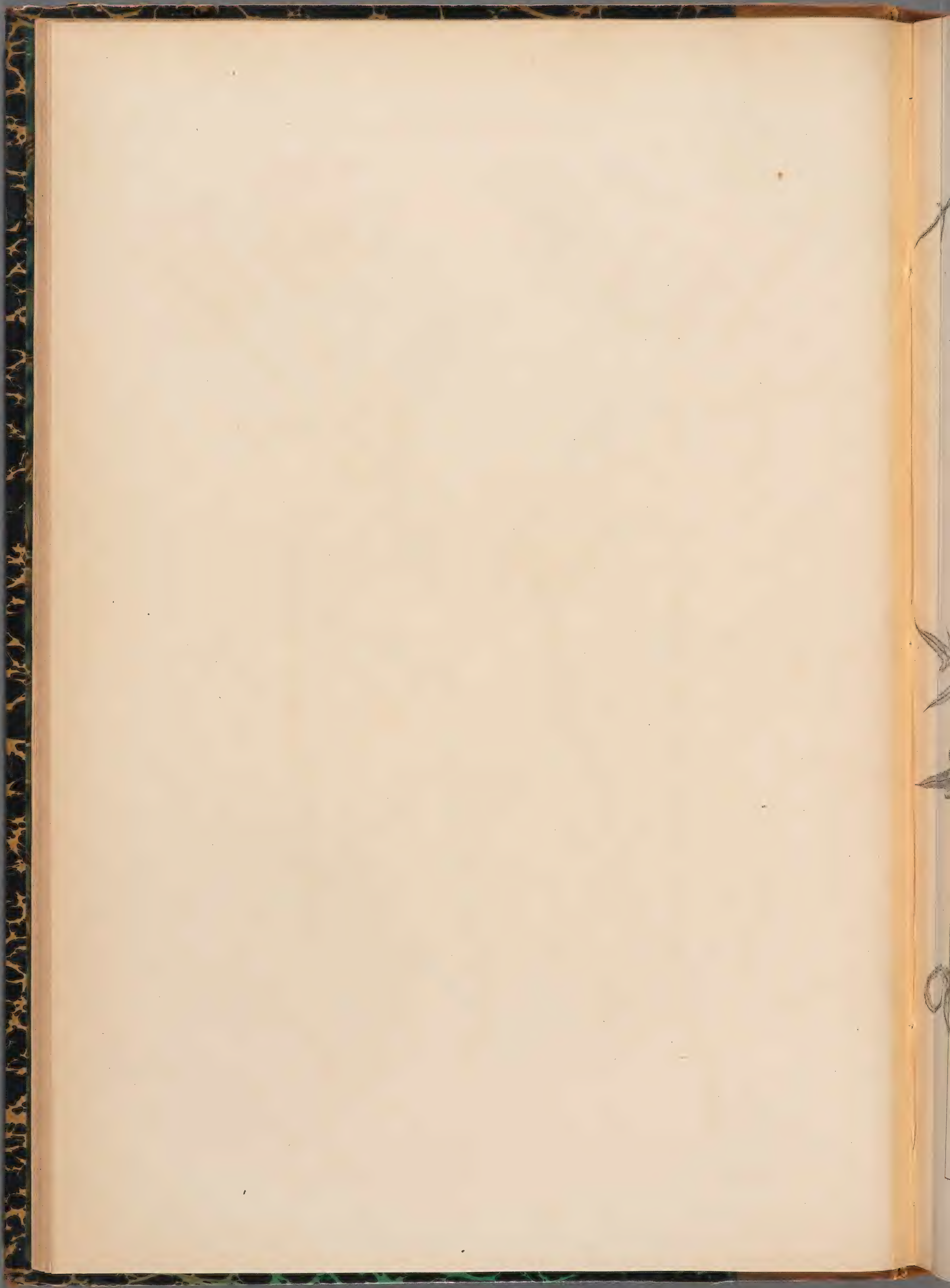






CIRSIIUM ITALICUM. D. C. ②



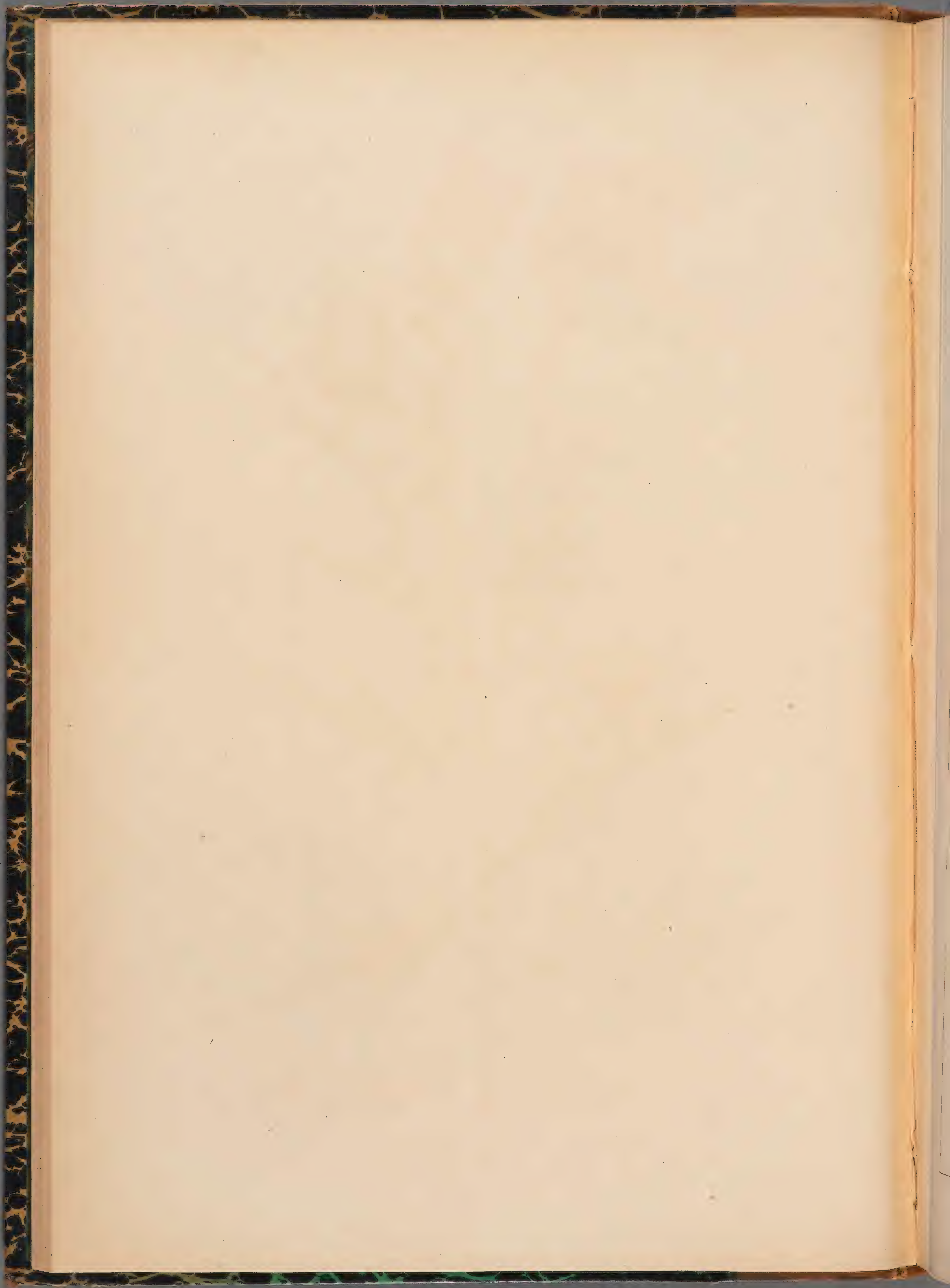






C. LANCEOLATUM. SCOP. ②









C. LANCEOLATUM. SCOP. ② Var. hypoleuca.







U. 246 par. par.  
(in P. 1848)



C. ECHINATUM. D. C. 2









C. FEROX. D. C. ②









C. ERIOPHORUM. SCOP. (2)



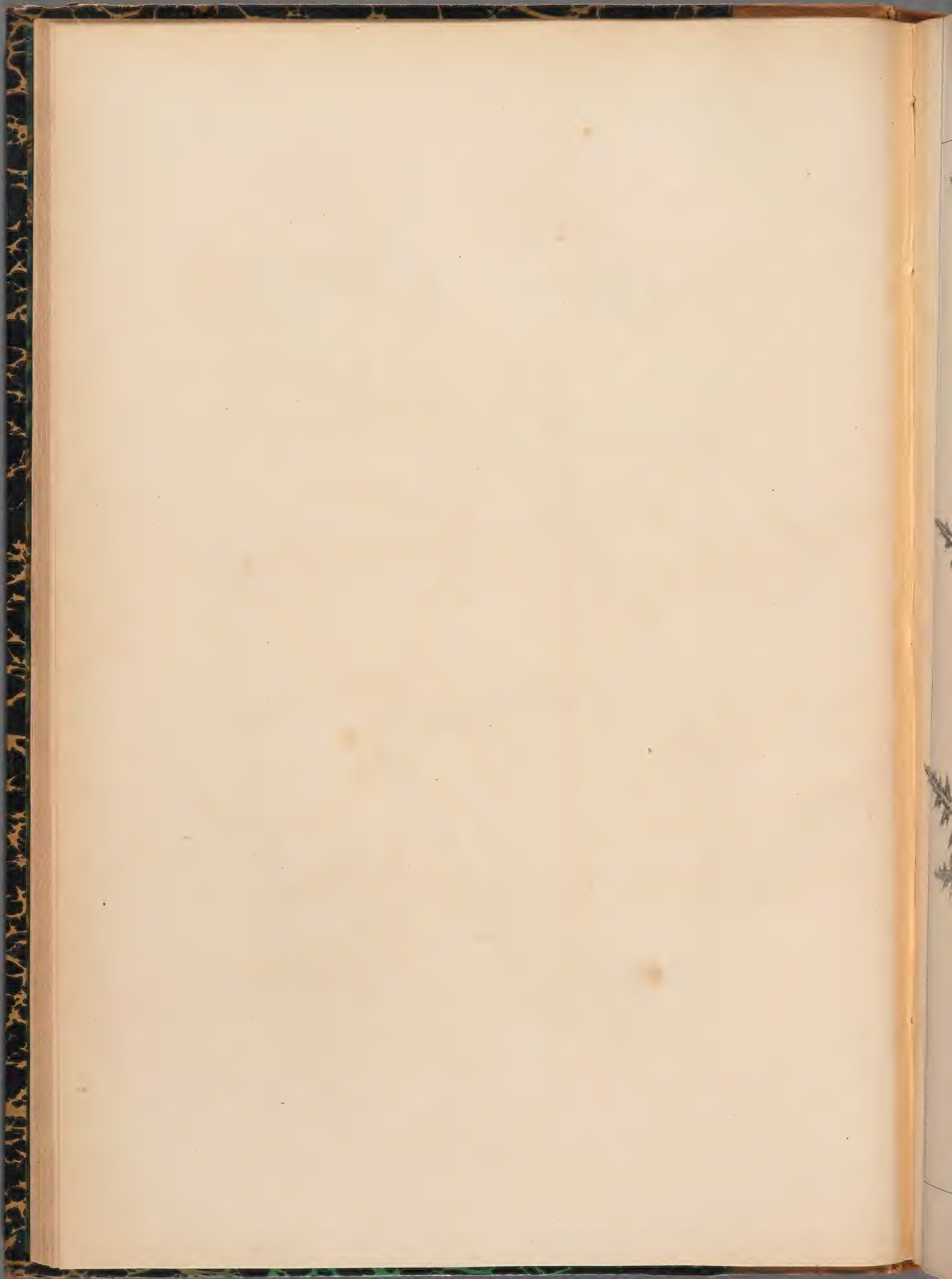
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MUSEUM OF NATURAL HISTORY





C. PALUSTRE. SCOP. ②









C. PALUSTRE . SCOP. ② Var. torphacea .



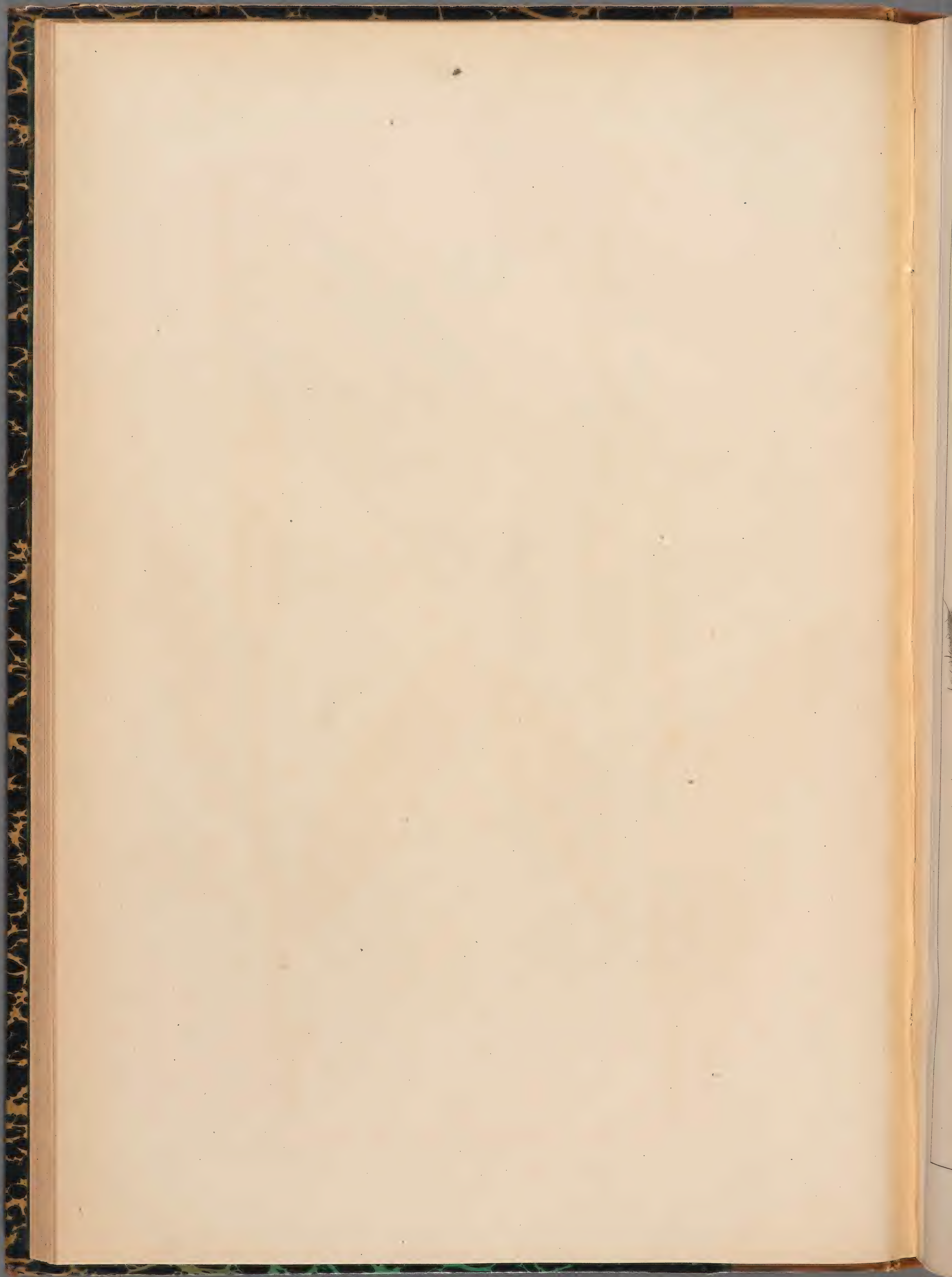






C. MONSPESSULANUM. ALL. 7



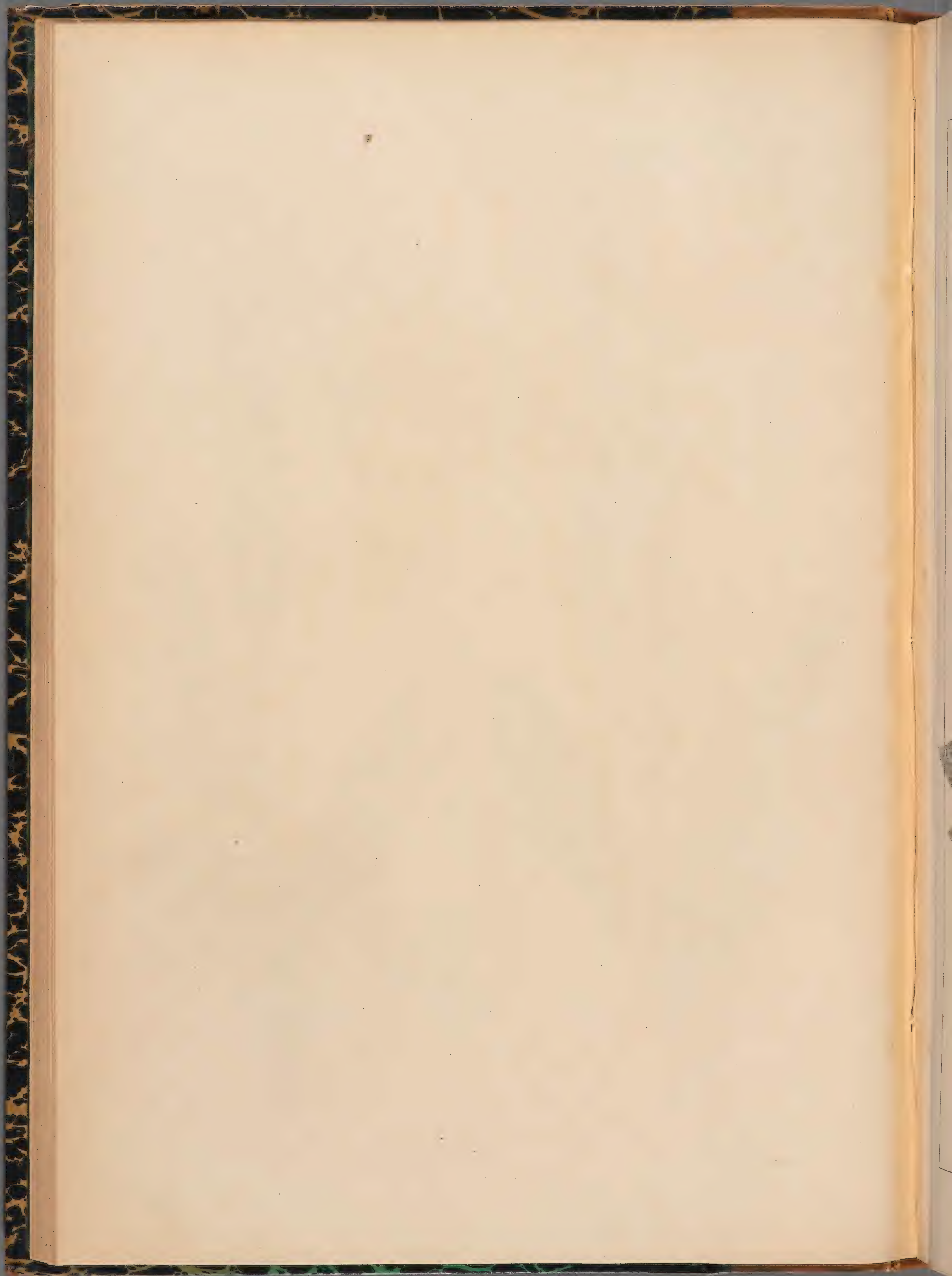






C. MONSPESSULANUM. ALL. *Var. pyrenaica*









C. OLERACEUM. SCOP. ♀









C. OLERACEUM . SCOP. ♀ Var. pinnatifida .



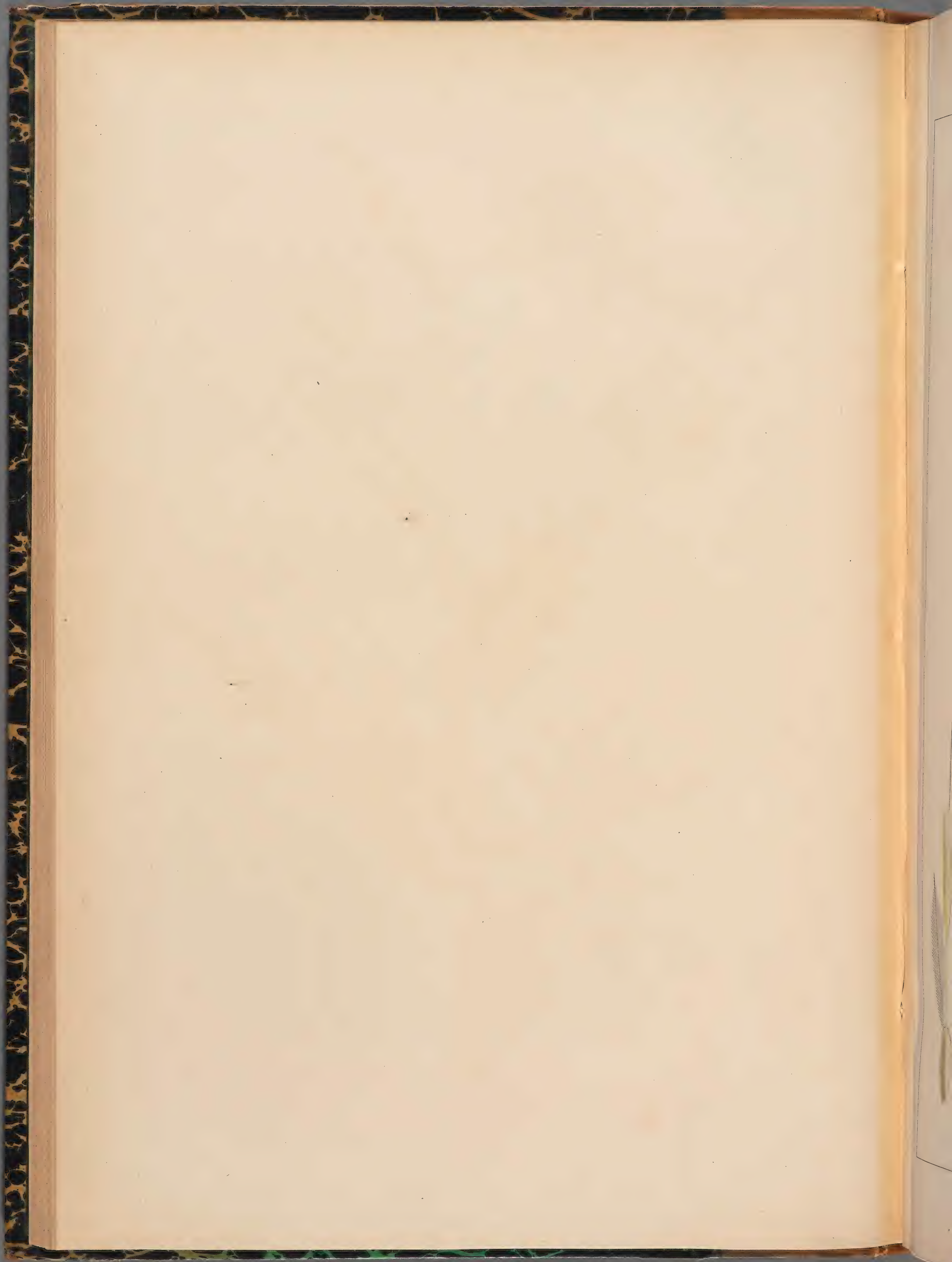






C. RIVULARI-OLERACEUM. NÆG. 2



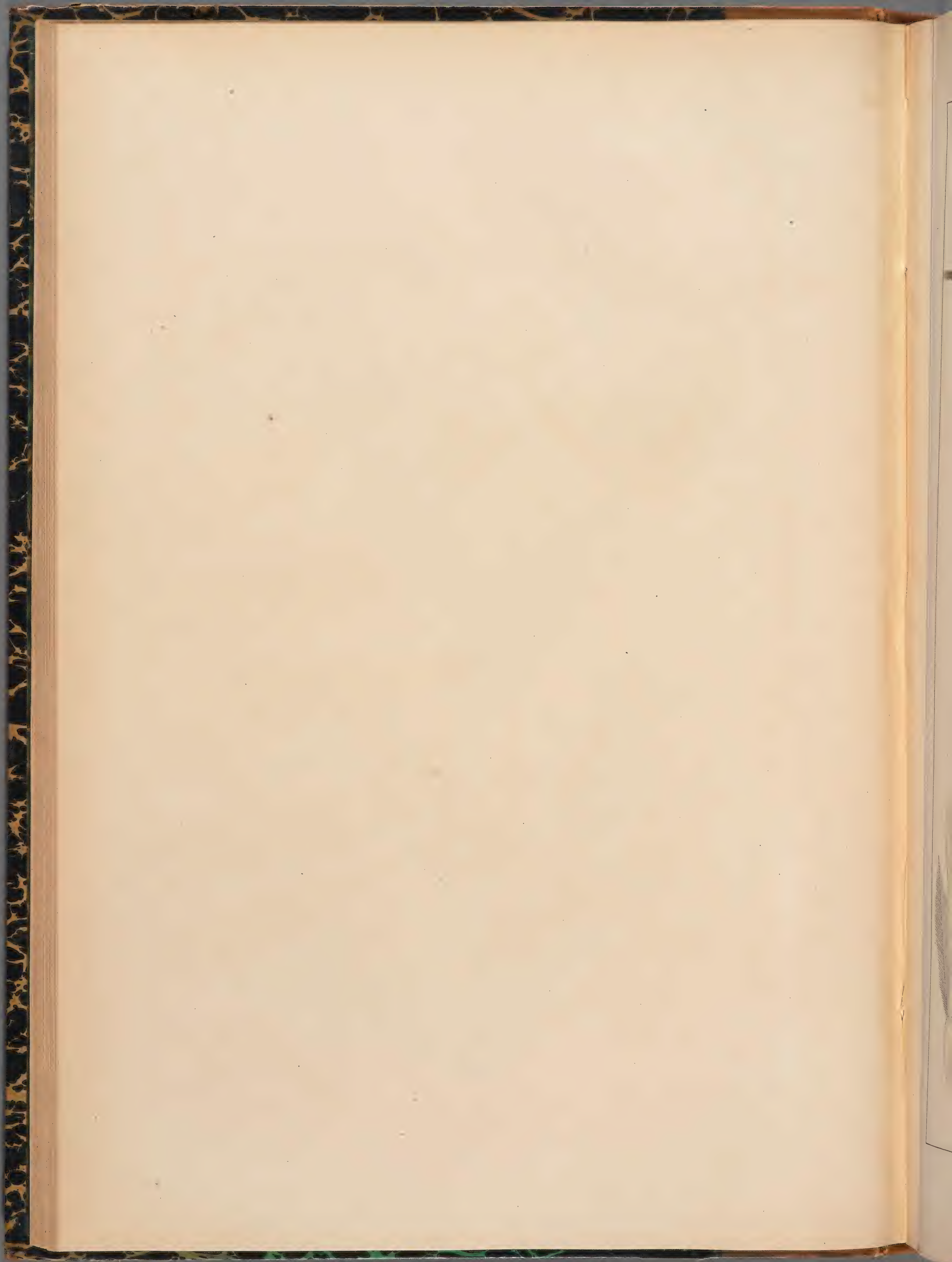






C. OLERACEO-RIVULARE. NÆG. 7



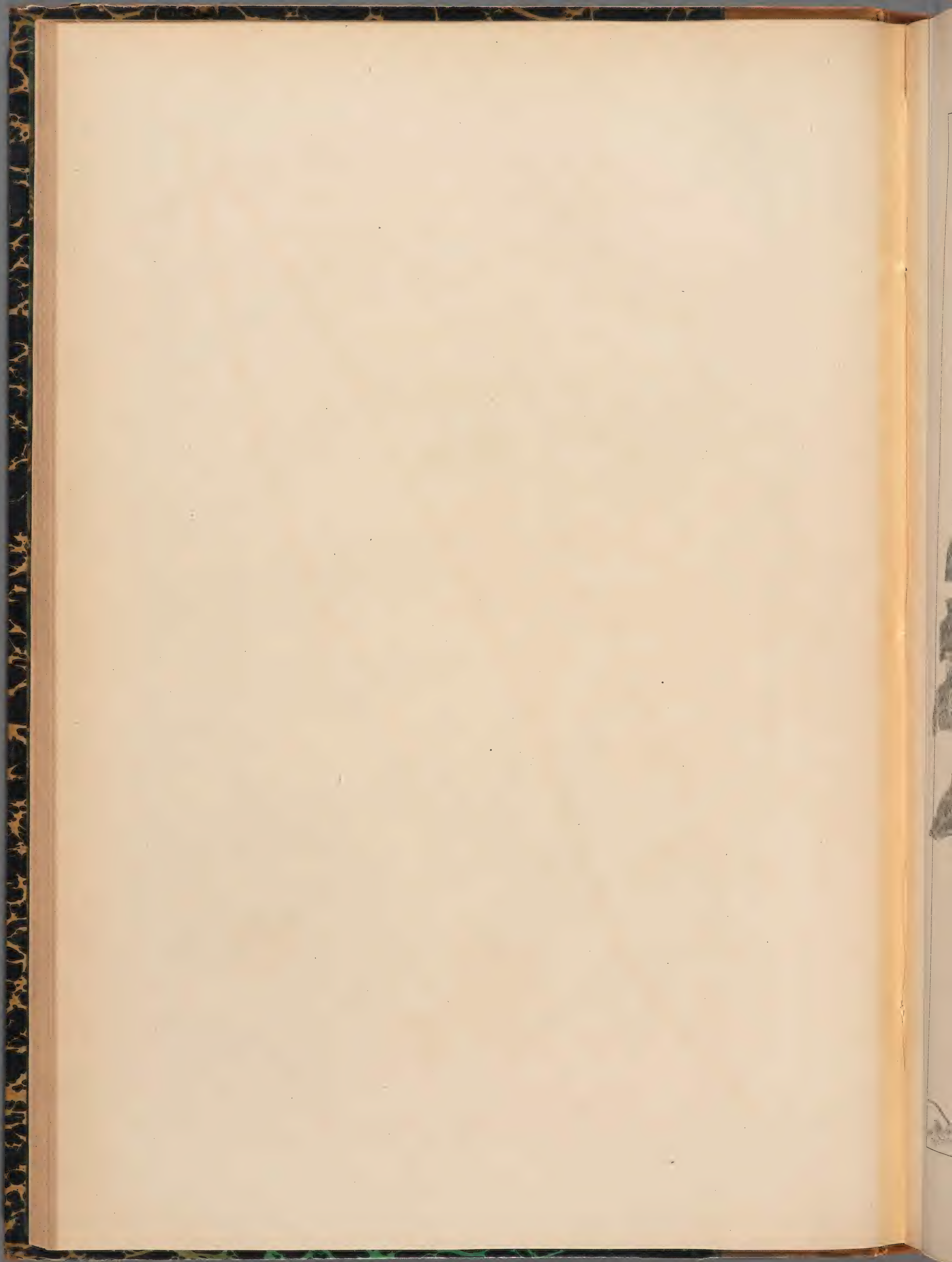






C. OLERACEO-ERISITHALES. 7



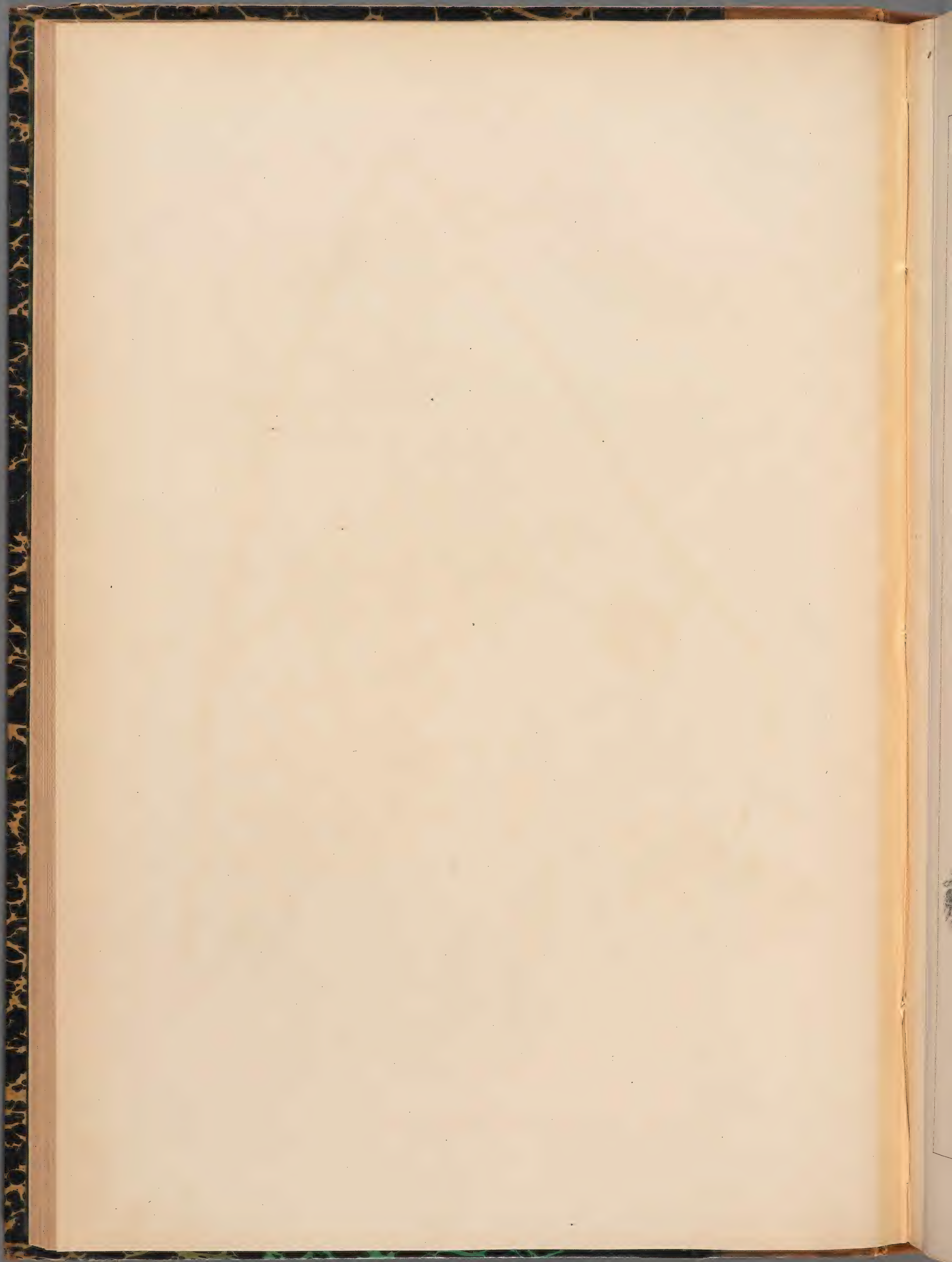






E. ERISITHALES. SCOP. 2



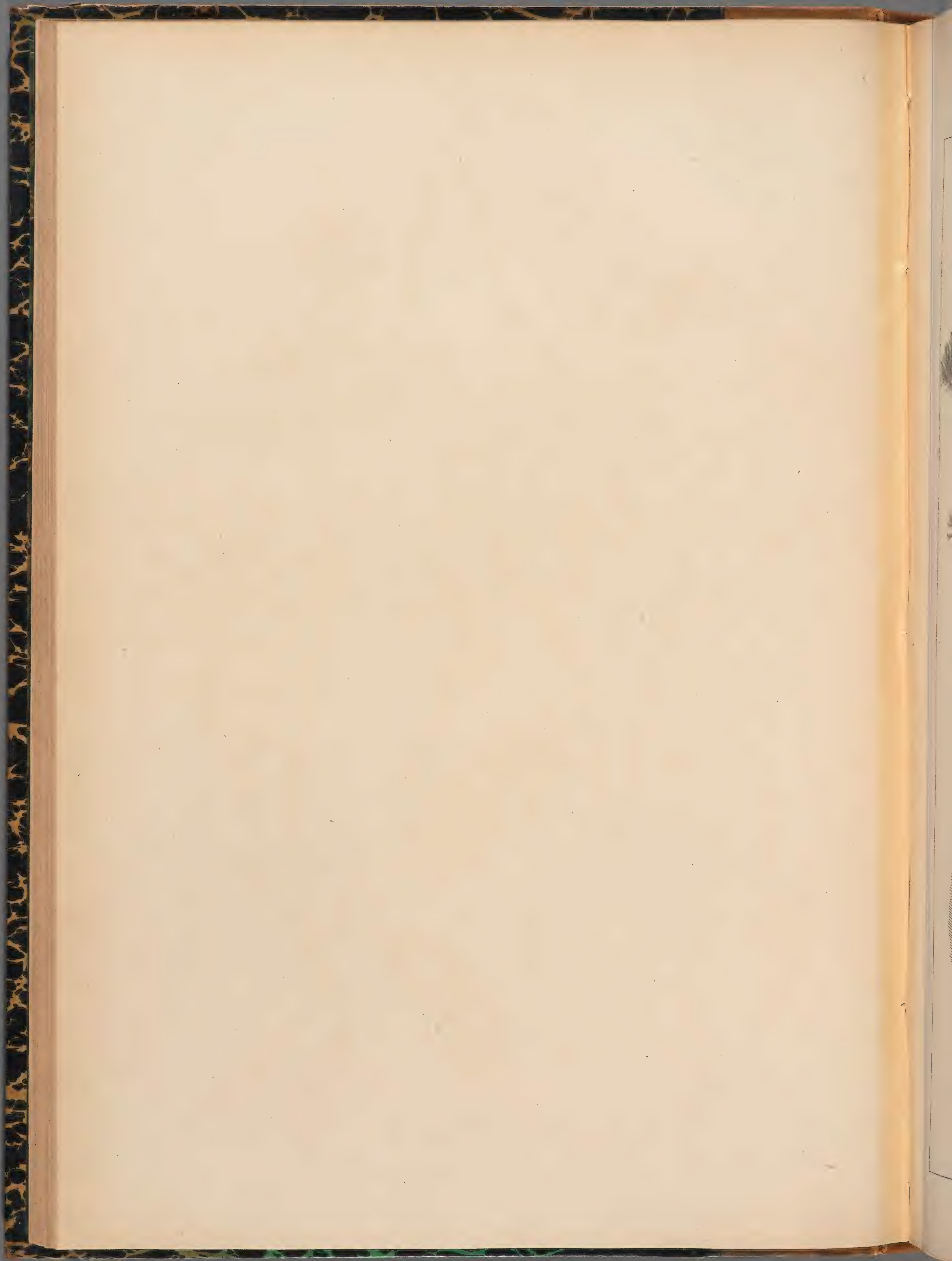






C. BULBOSO-OLERACEUM. NÆGL. 7



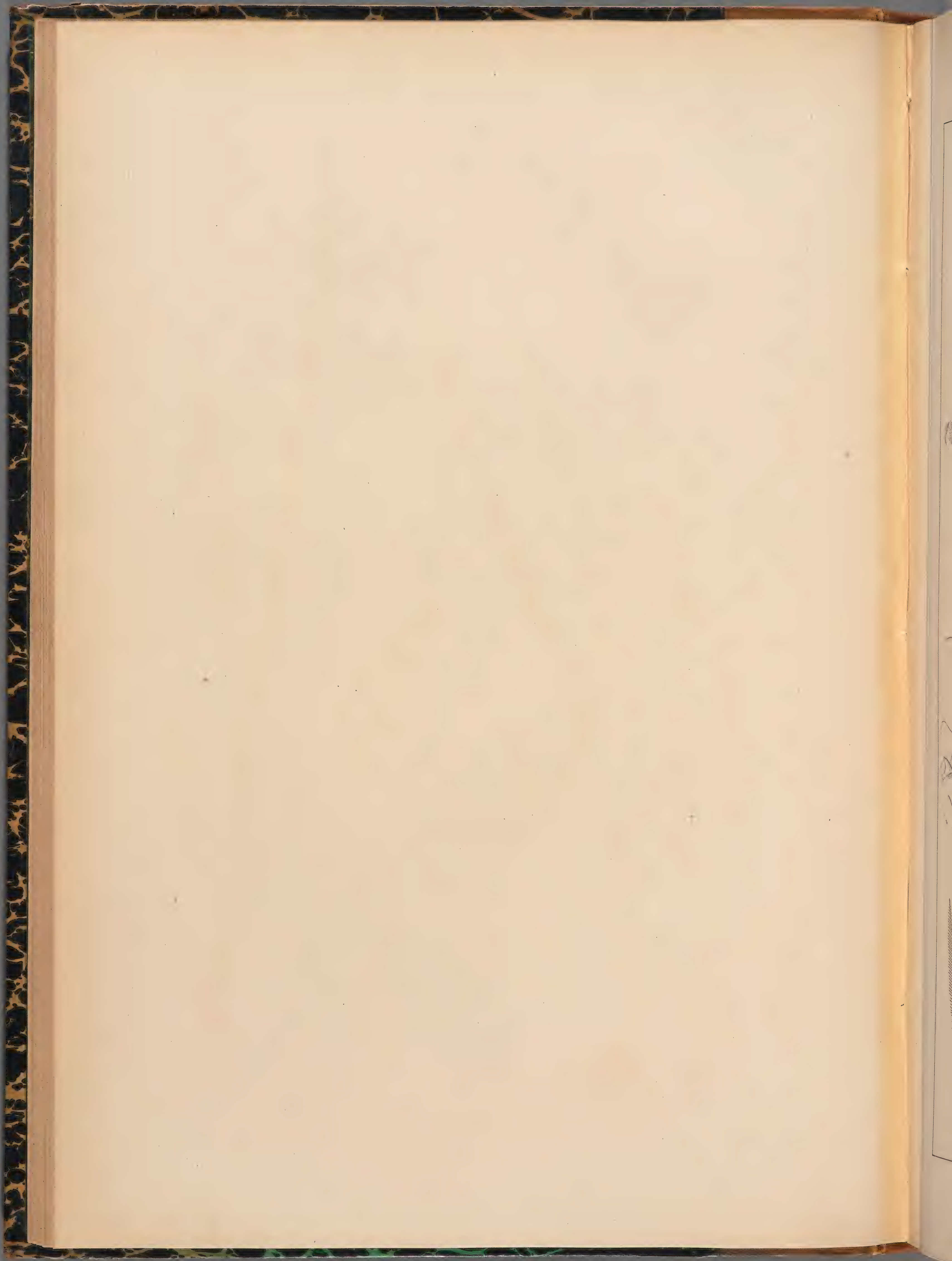






C. BULBOSUM. D. C. 2



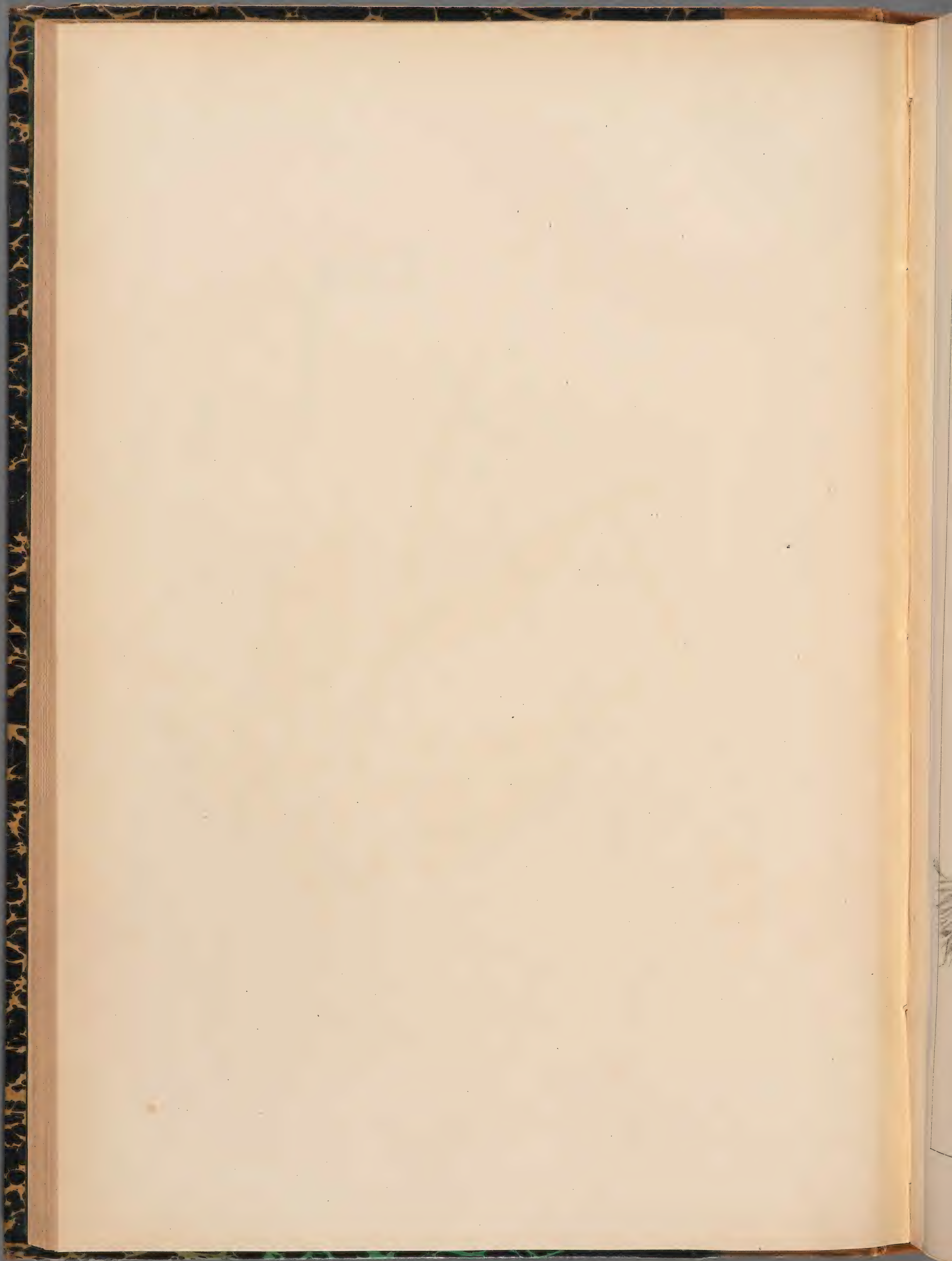






C. ANGLICUM. LOB. 7



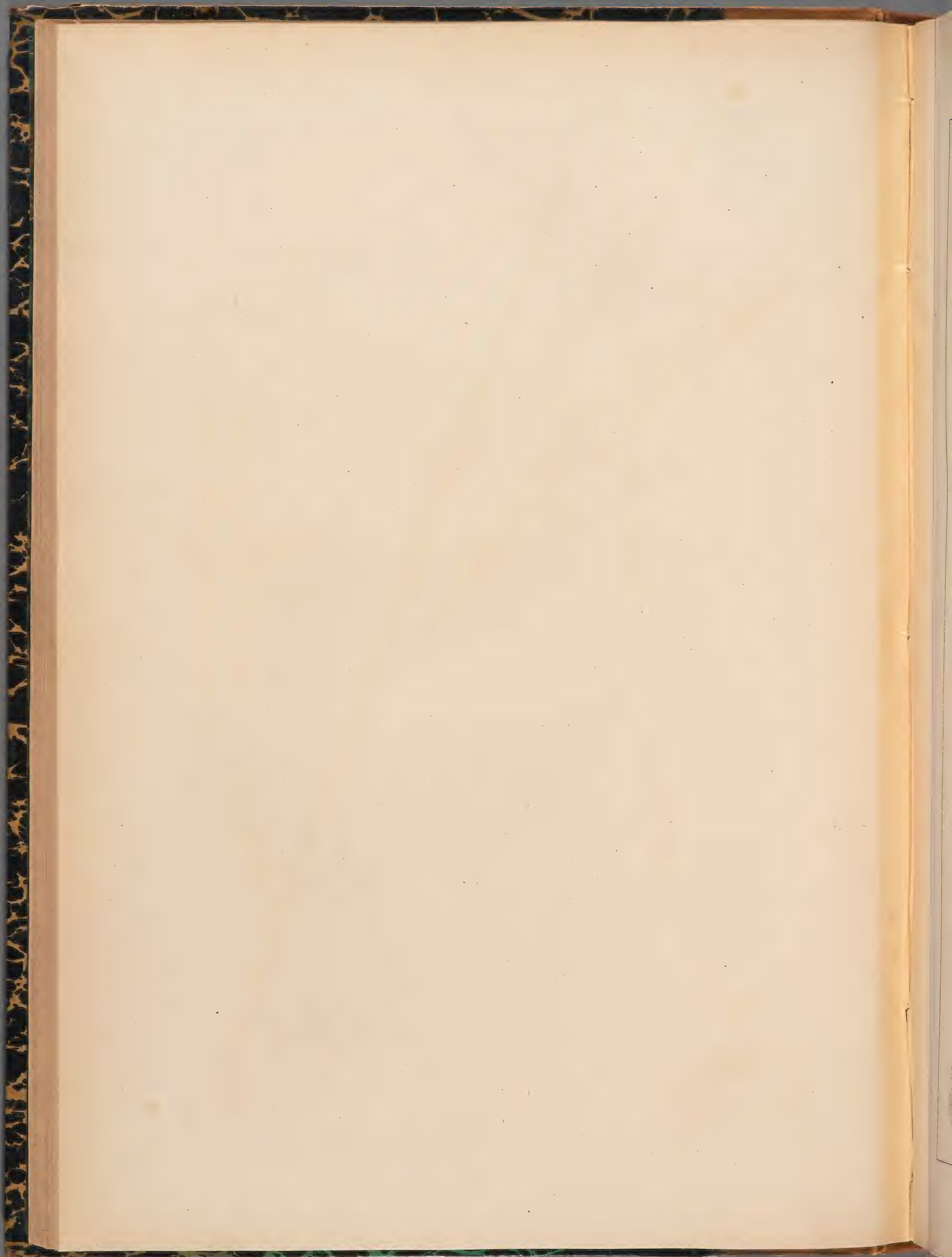






C. RIVULARE . LINK. ♂









*C. RIVULARE* . LINK. *Var. pinnatifida* .



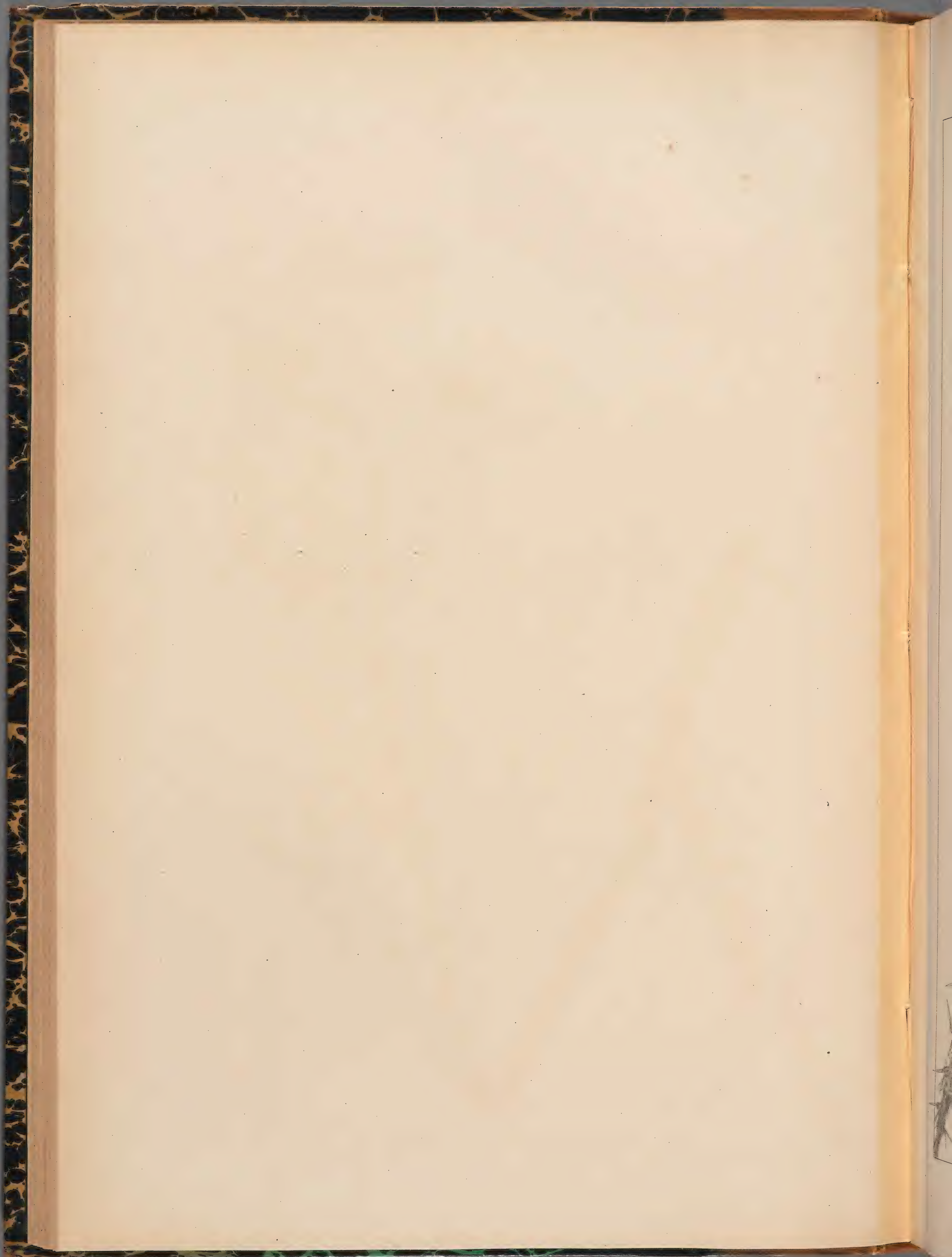






C. SPINOSISSIMUM. SCOP. 7



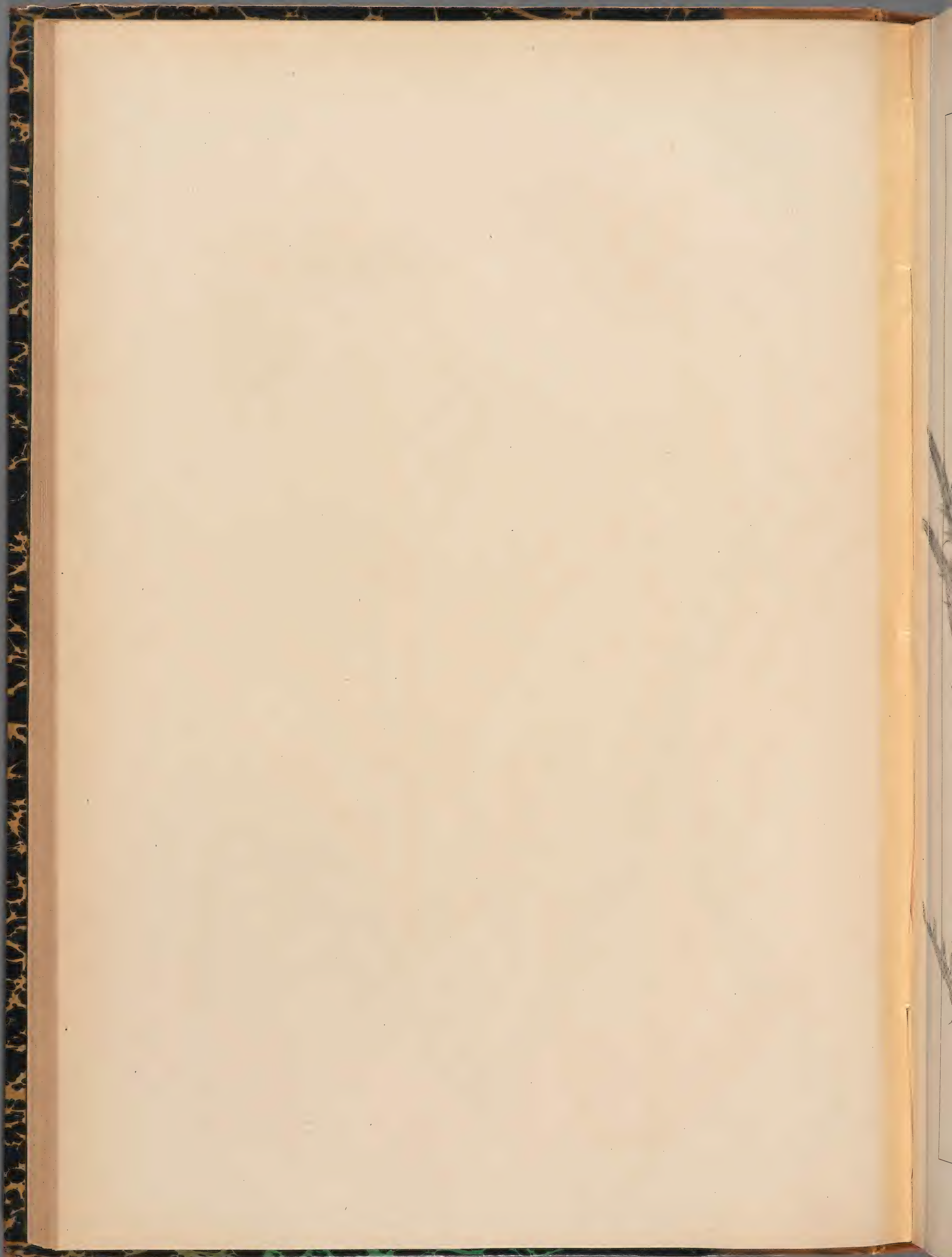






C. GLABRUM. D. C. 7



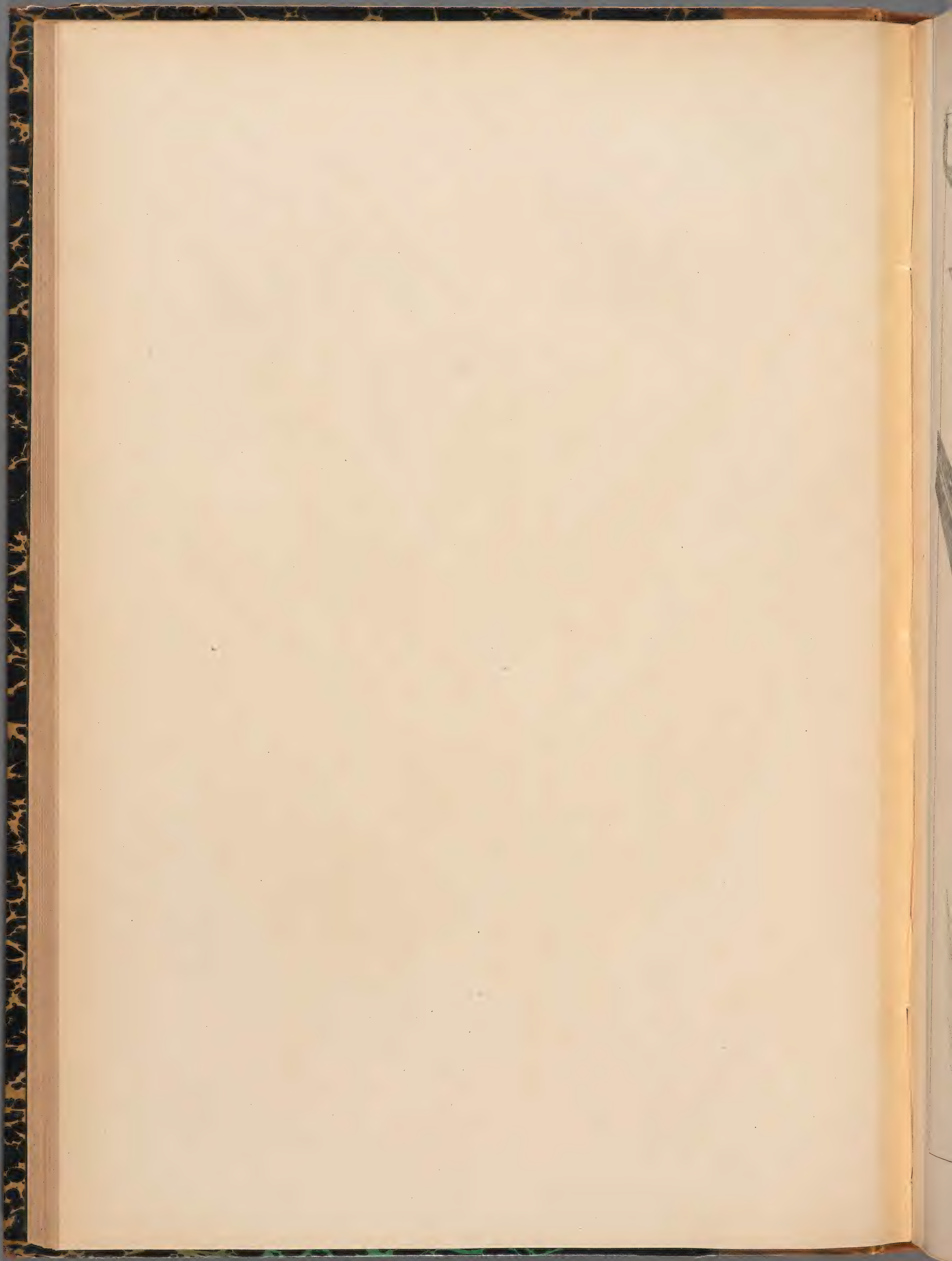






C. SPINOSISSIMO. HETEROPHYLLUM. GC

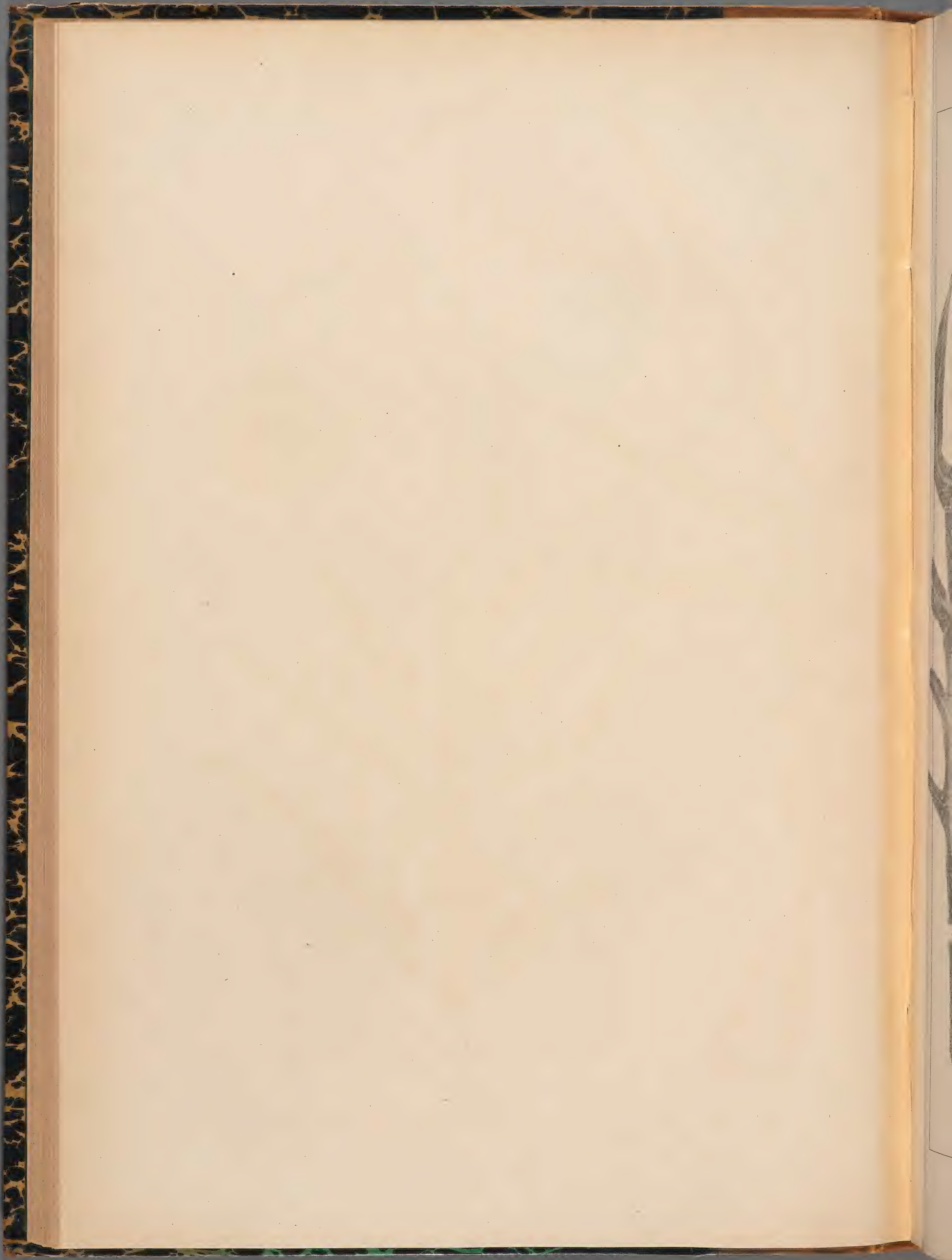
















C. HETEROPHYLLUM, ALL. Var. helenioides.



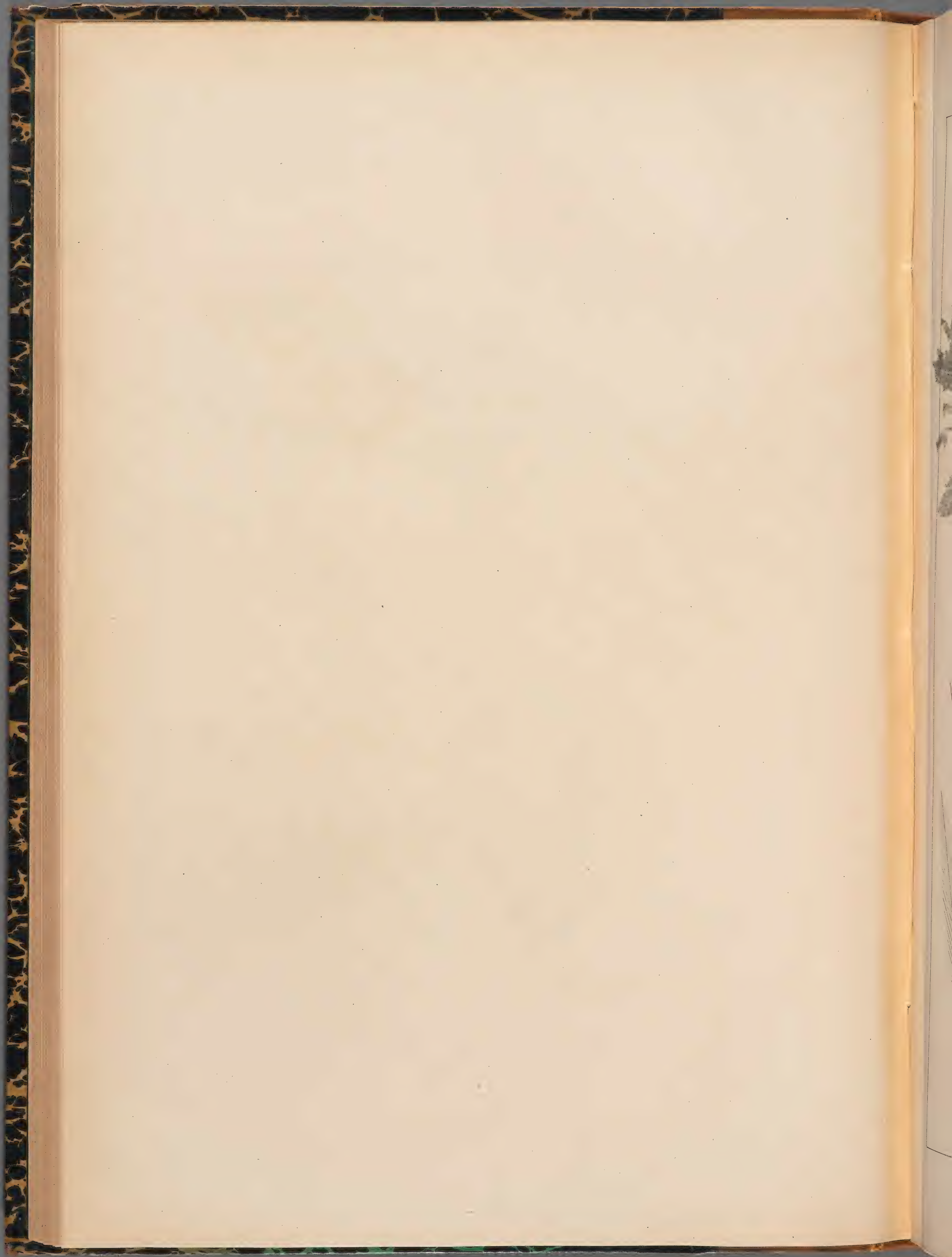






C. ACAULE. ALL. 2



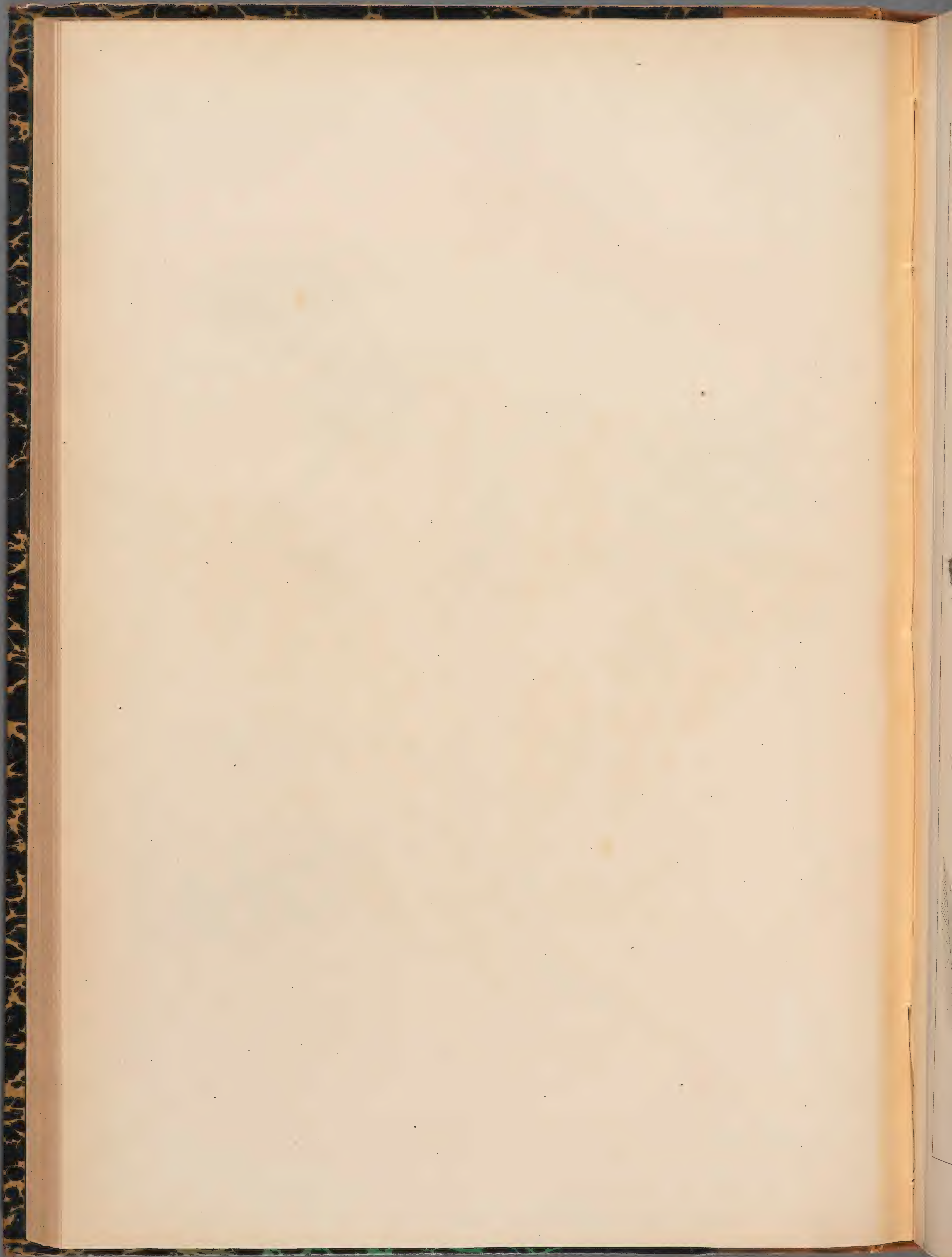






C. BULBOSO-ACAULE. NÆG. 2



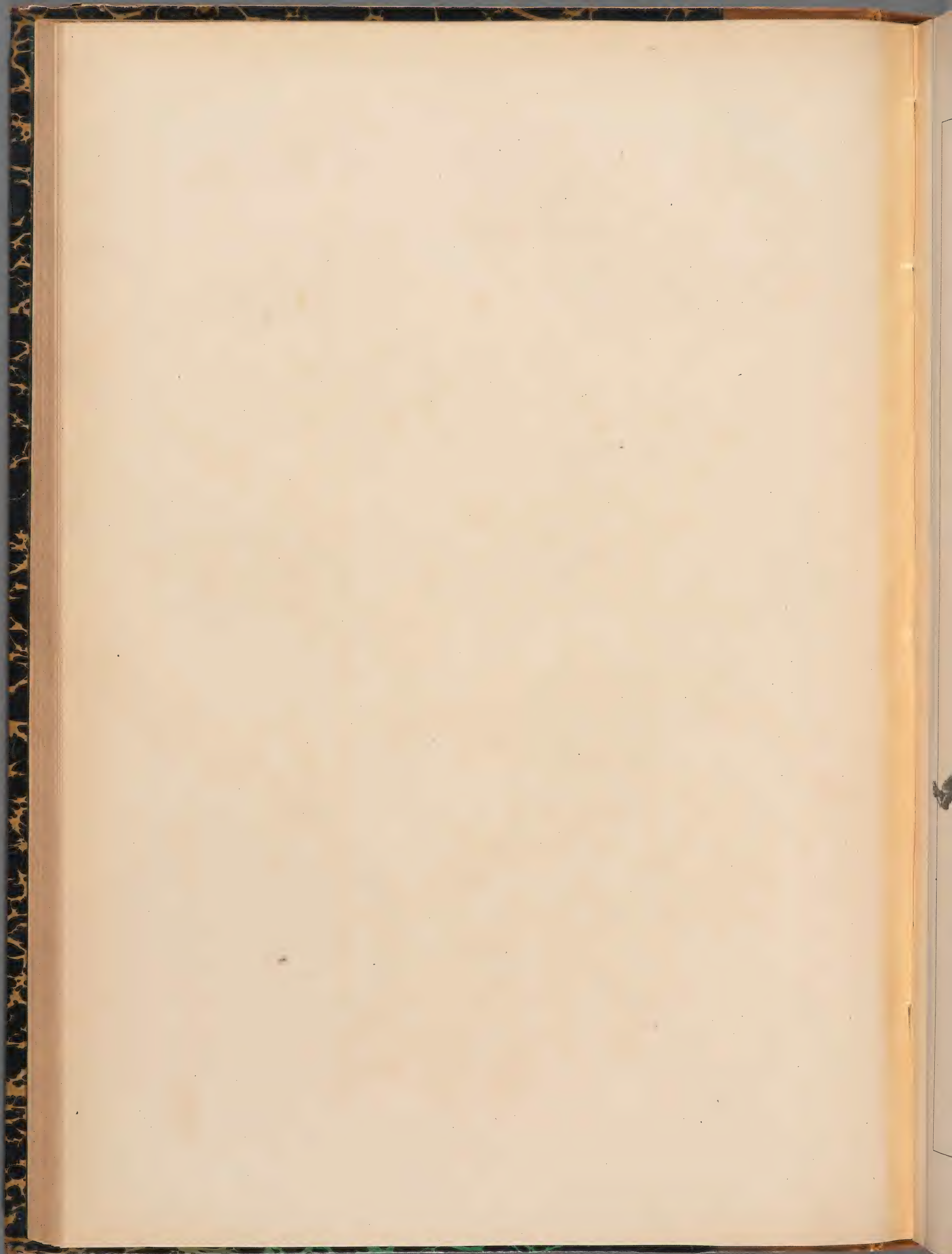






C. OLERACEO-ACAULE. HAMP. 2



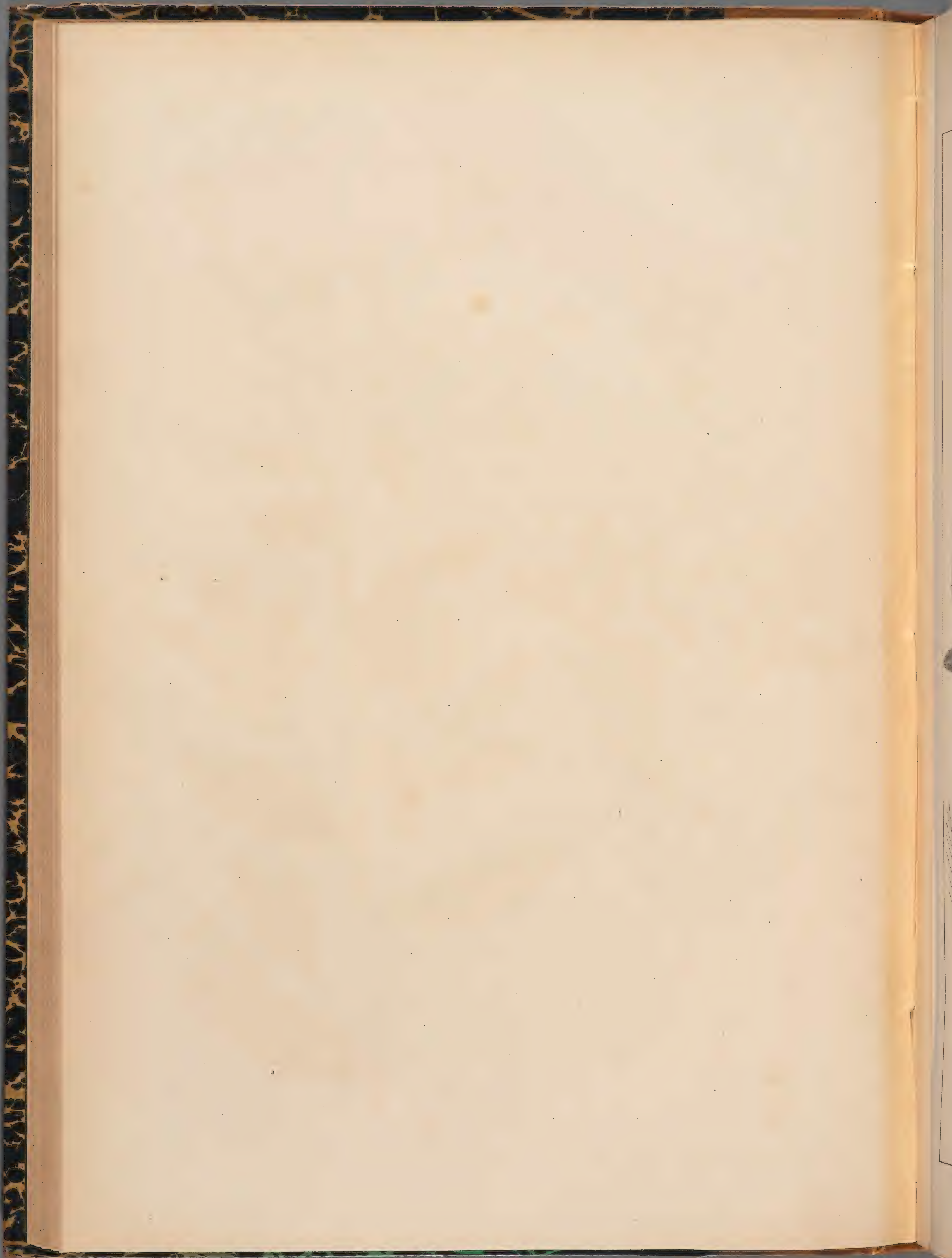






C. ARVENSE. SCOP. ♀



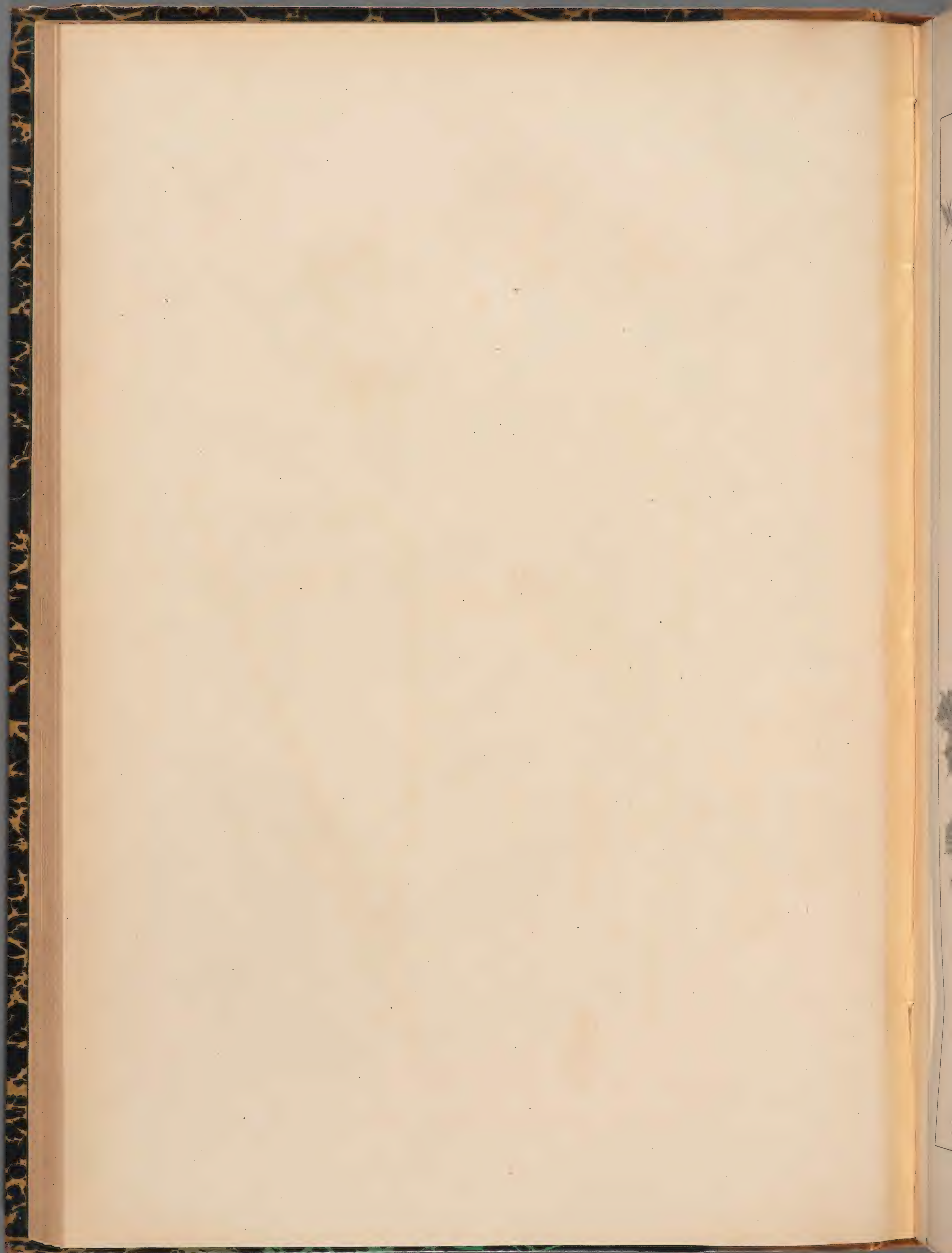






C. SETOSUM. BIEB. ♀



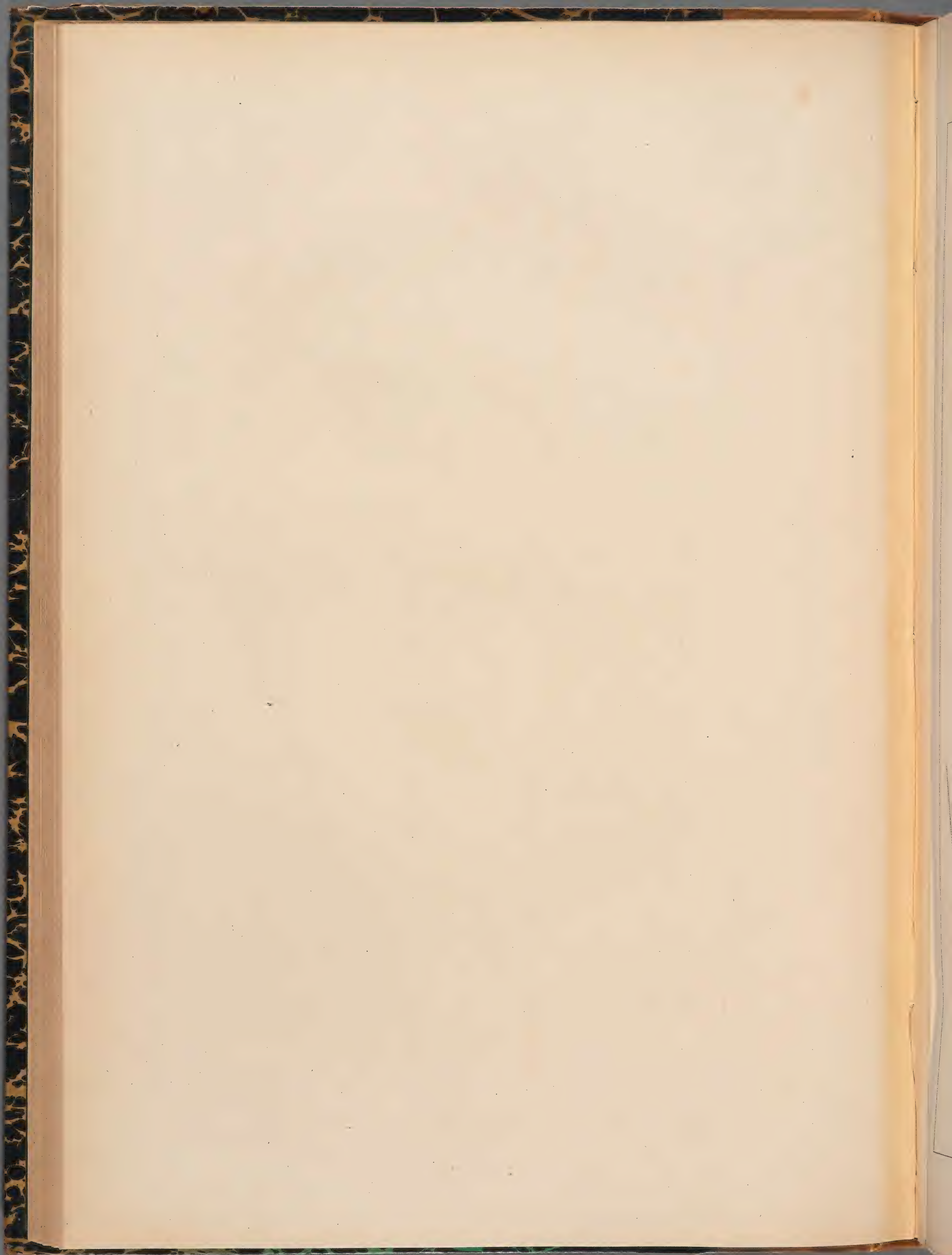






CARDUUS TENUIFLORUS . CURT . ① ②



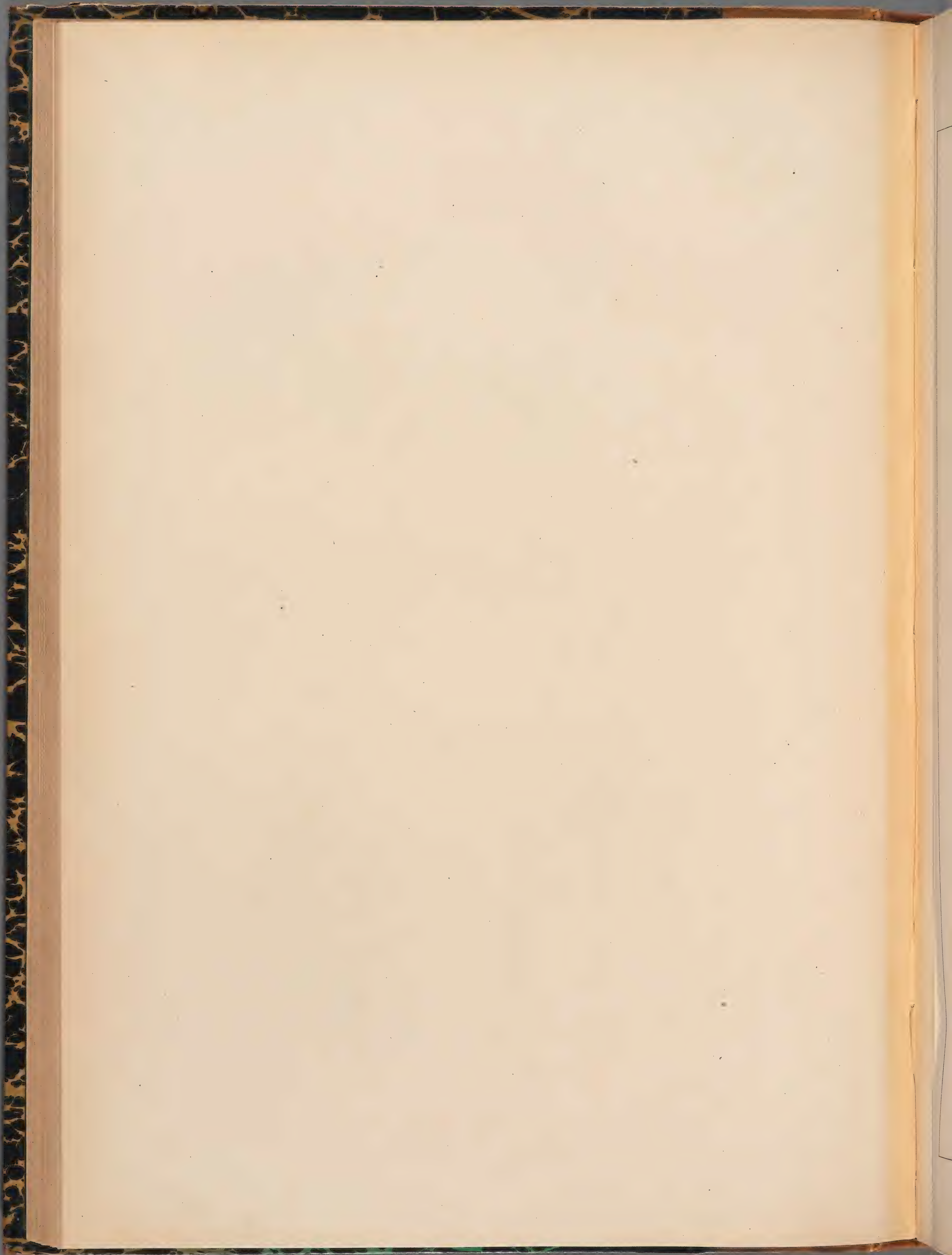






C. PYCNOCEPHALUS L. ① ②

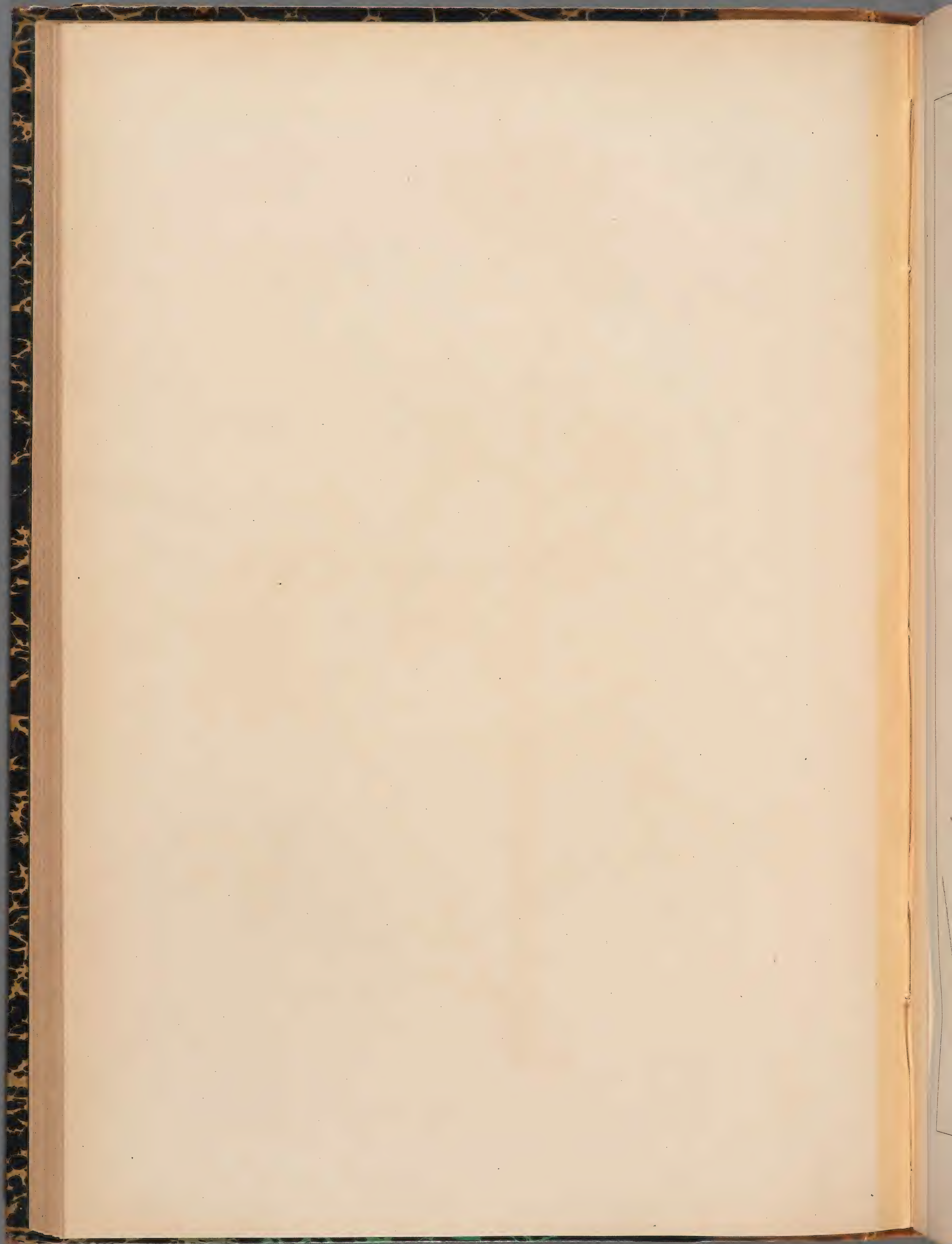










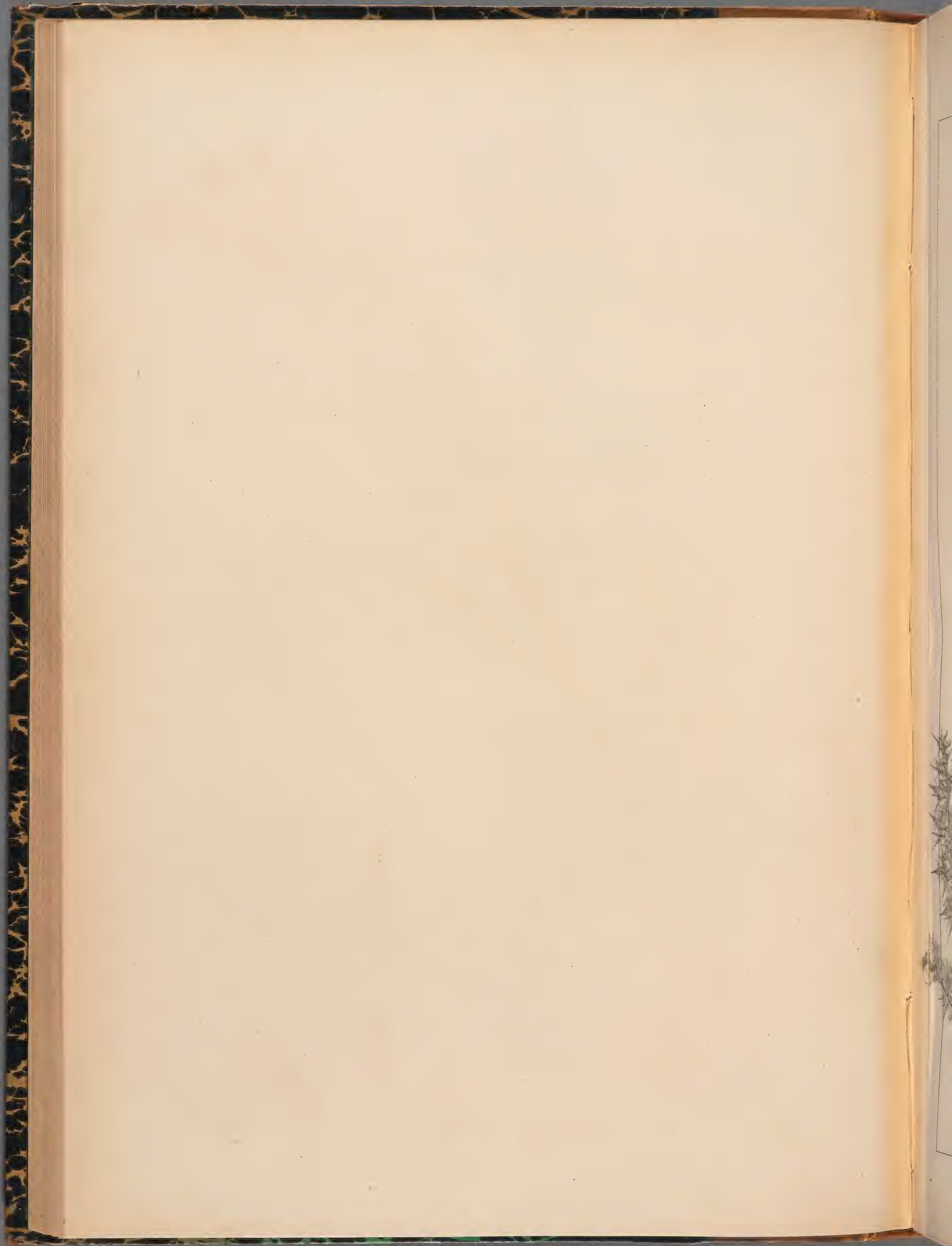






C. CEPHALANTHUS. VII. ②



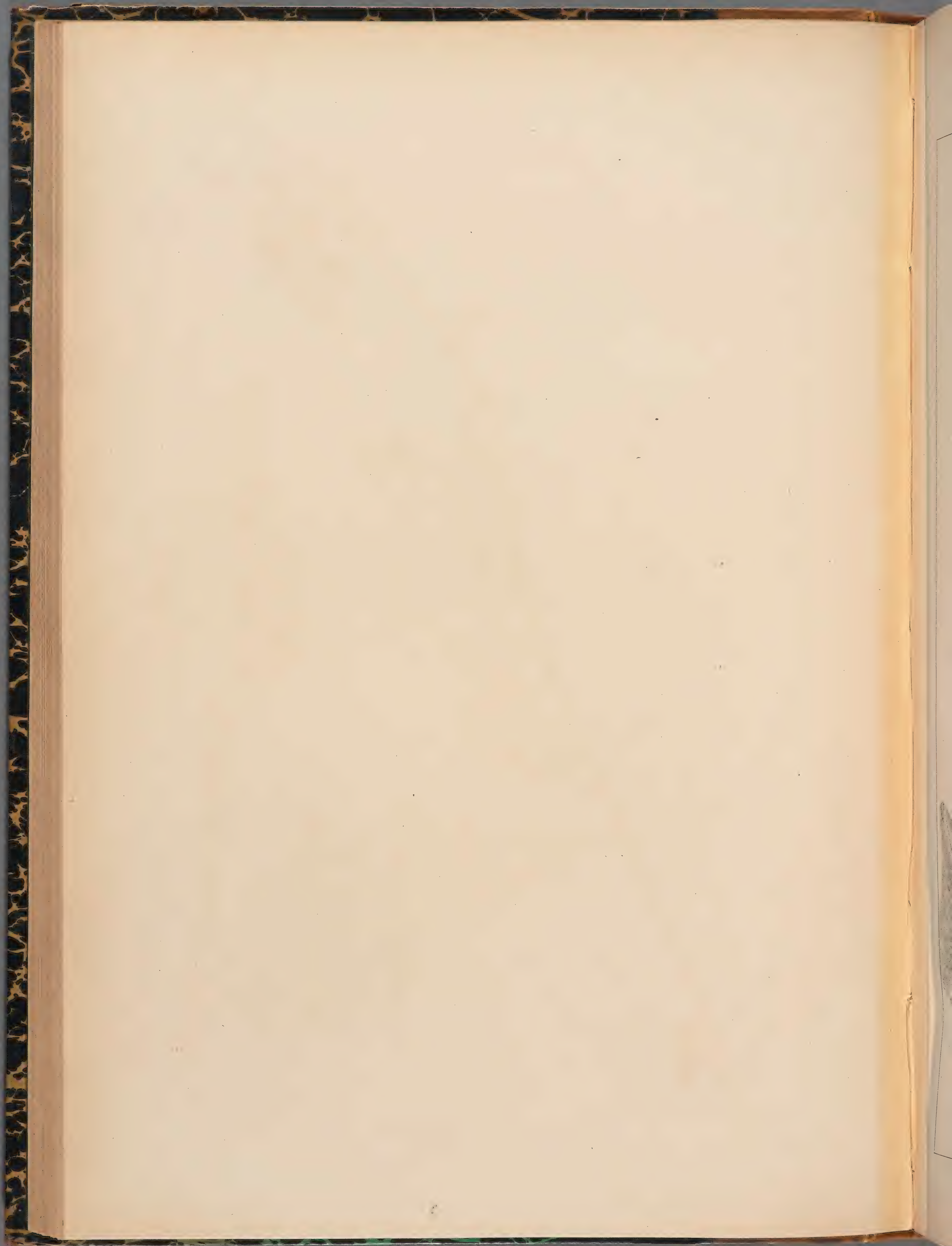






C. FASCICULIFLORUS. Viv. ②



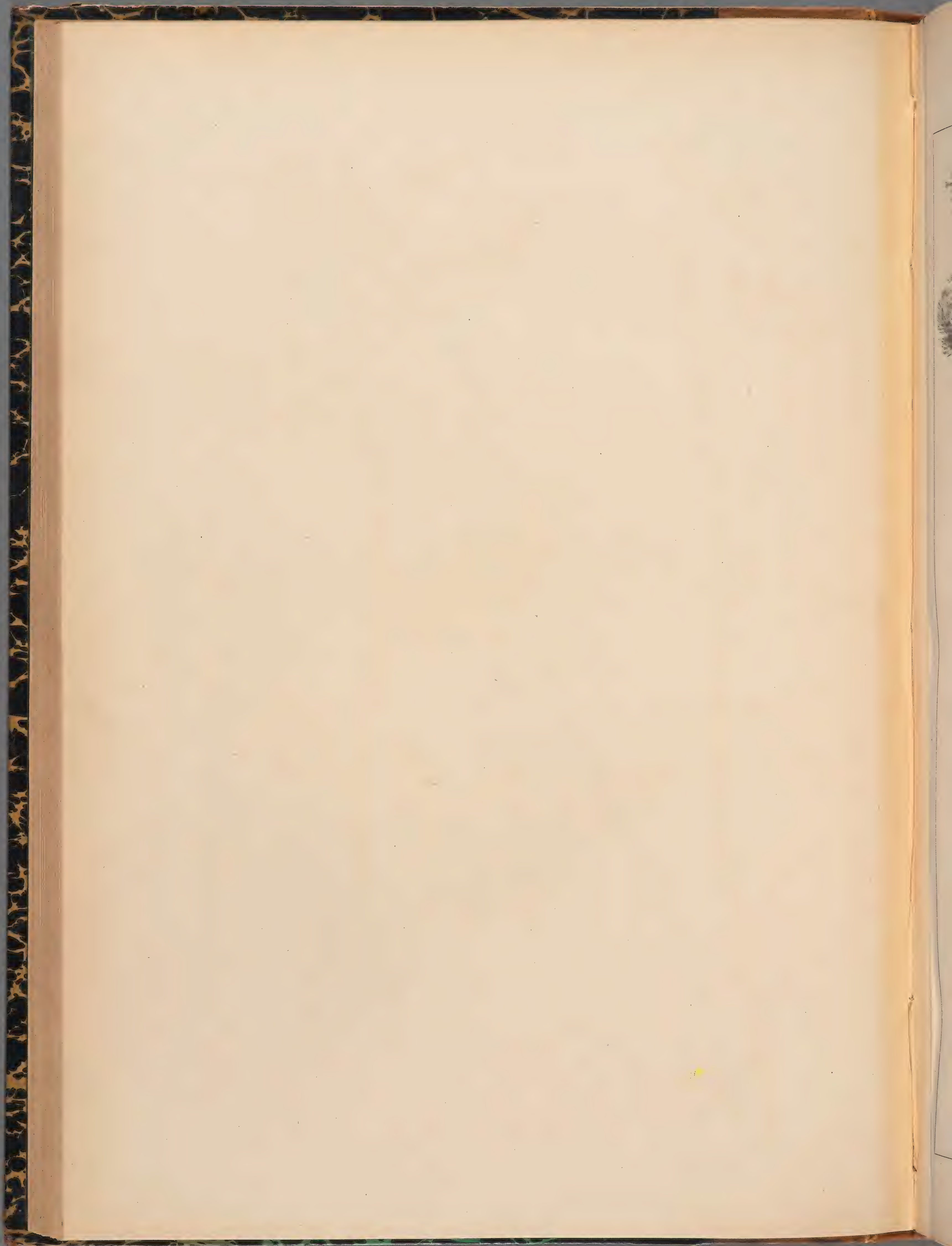






C. PERSONATA. JACQ.  $\gamma$



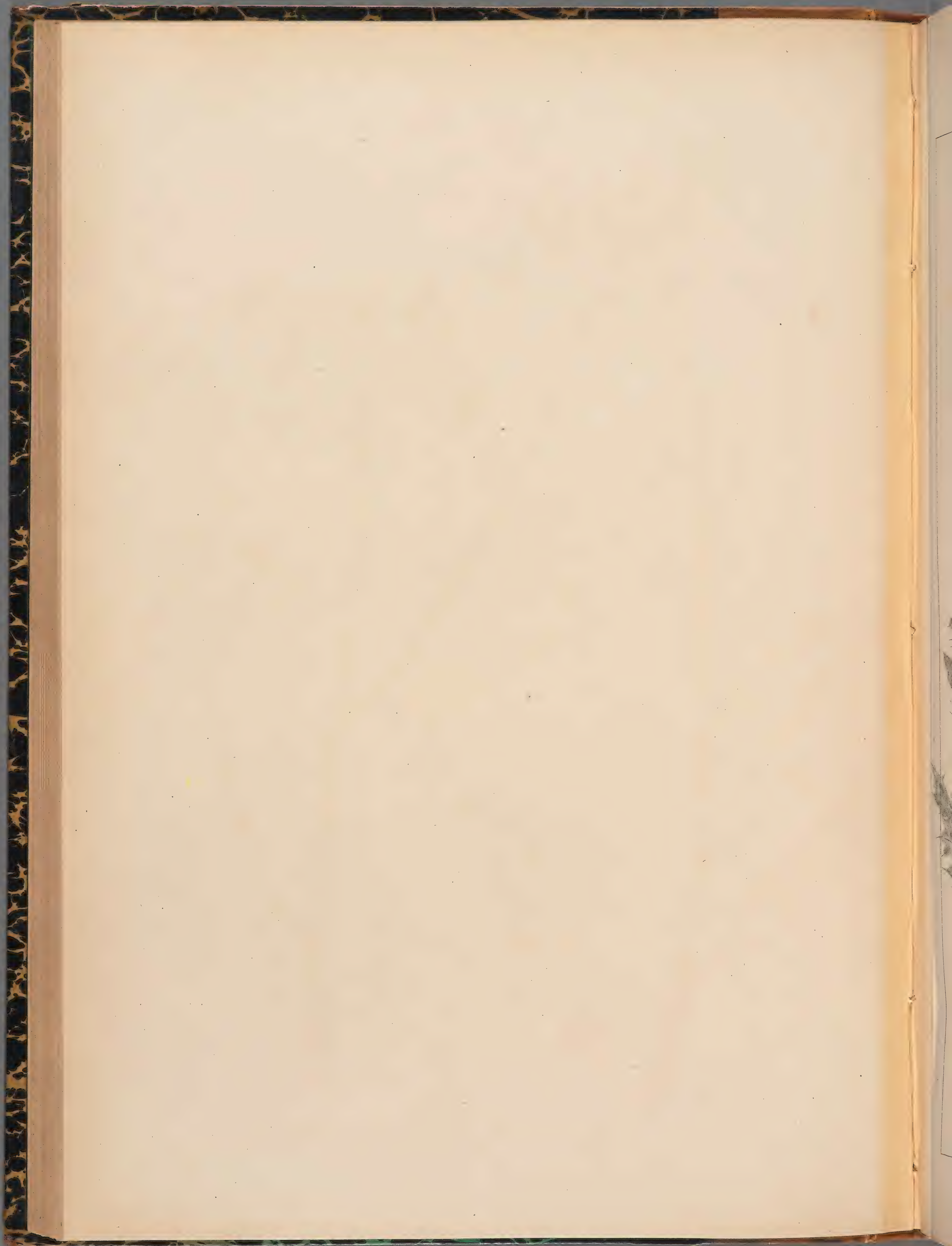






C. CRISPUS. L. ②



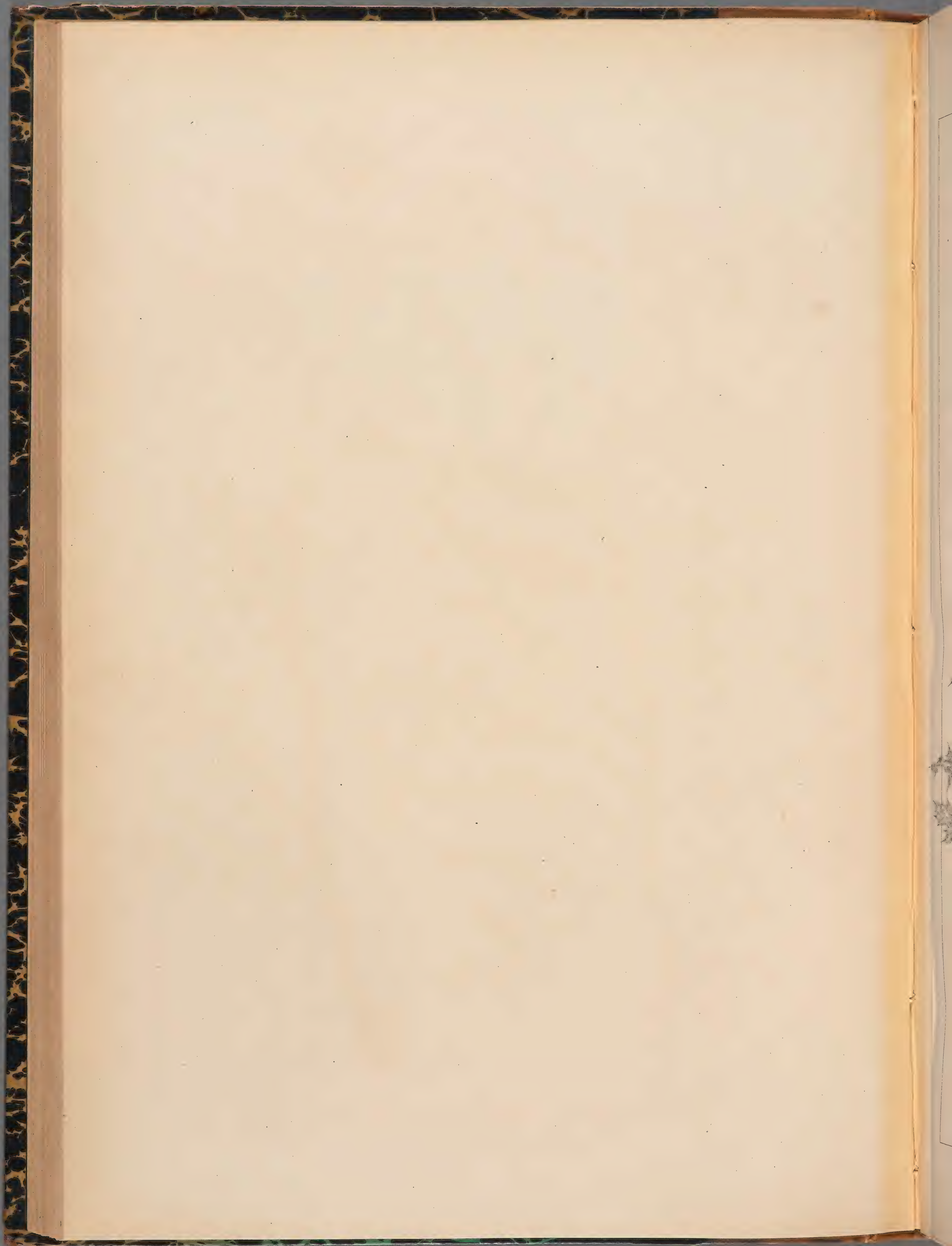






C. CRISPUS L. ② Var. polyanthemus.



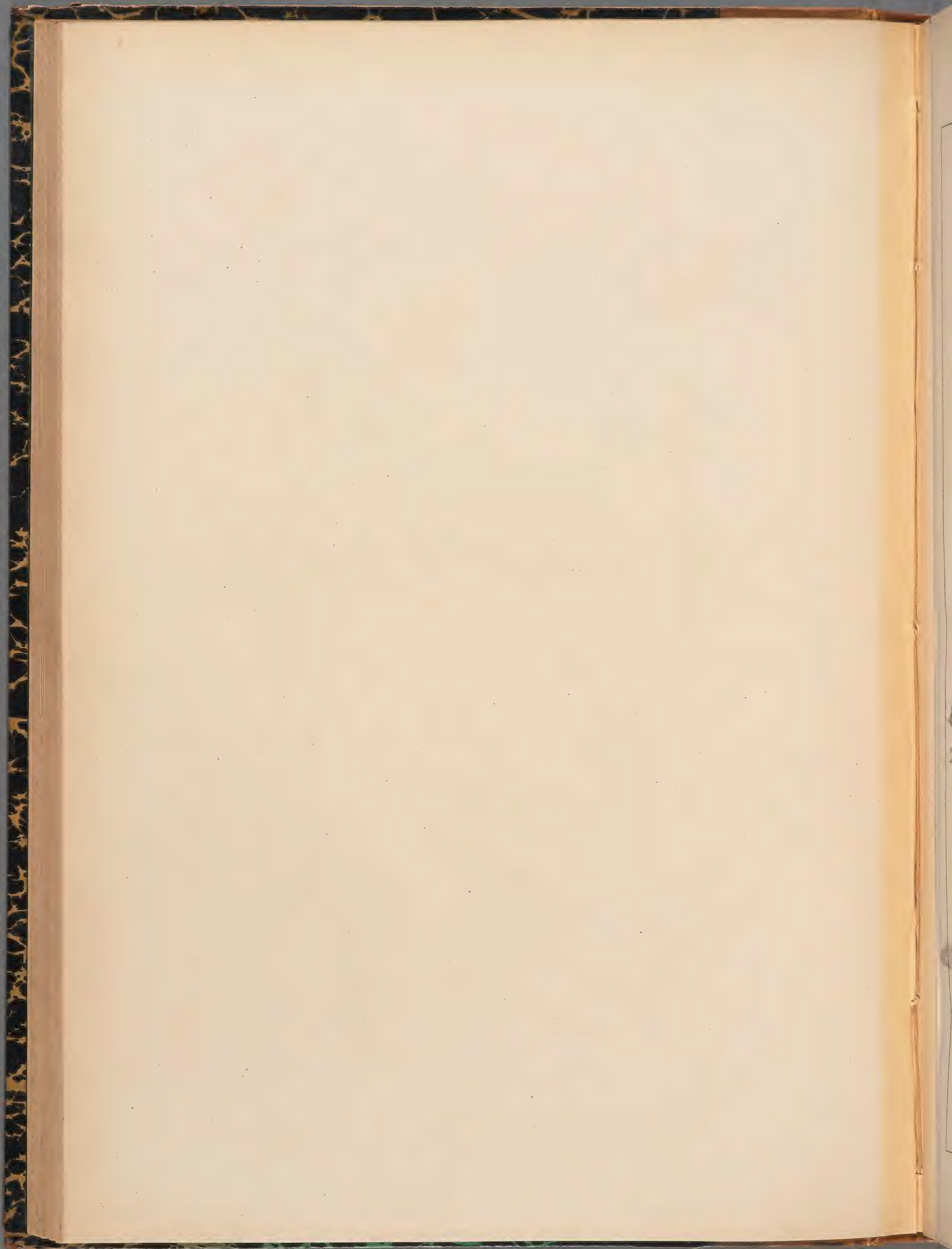






C. CRISPO-NUTANS . JORD. ♀

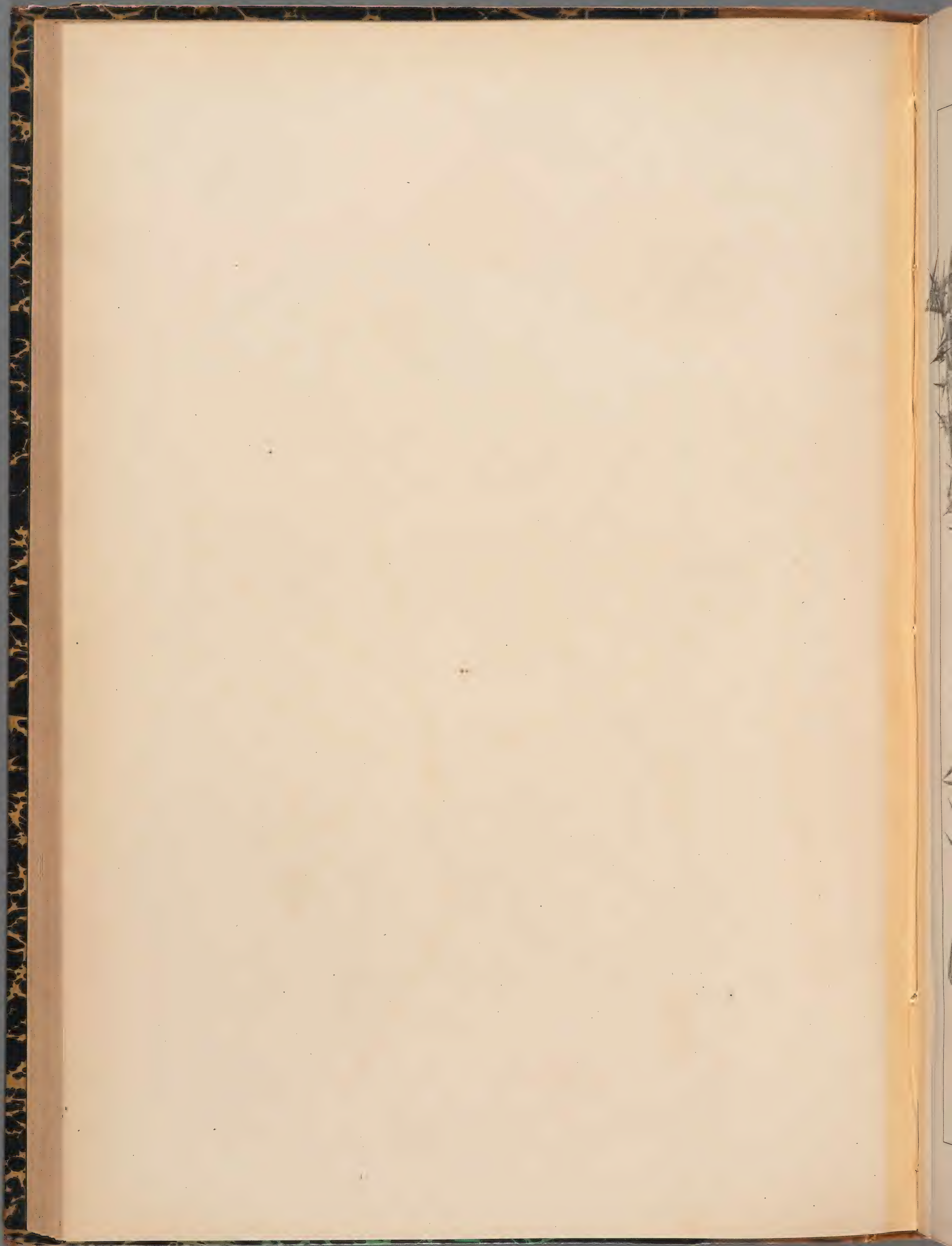










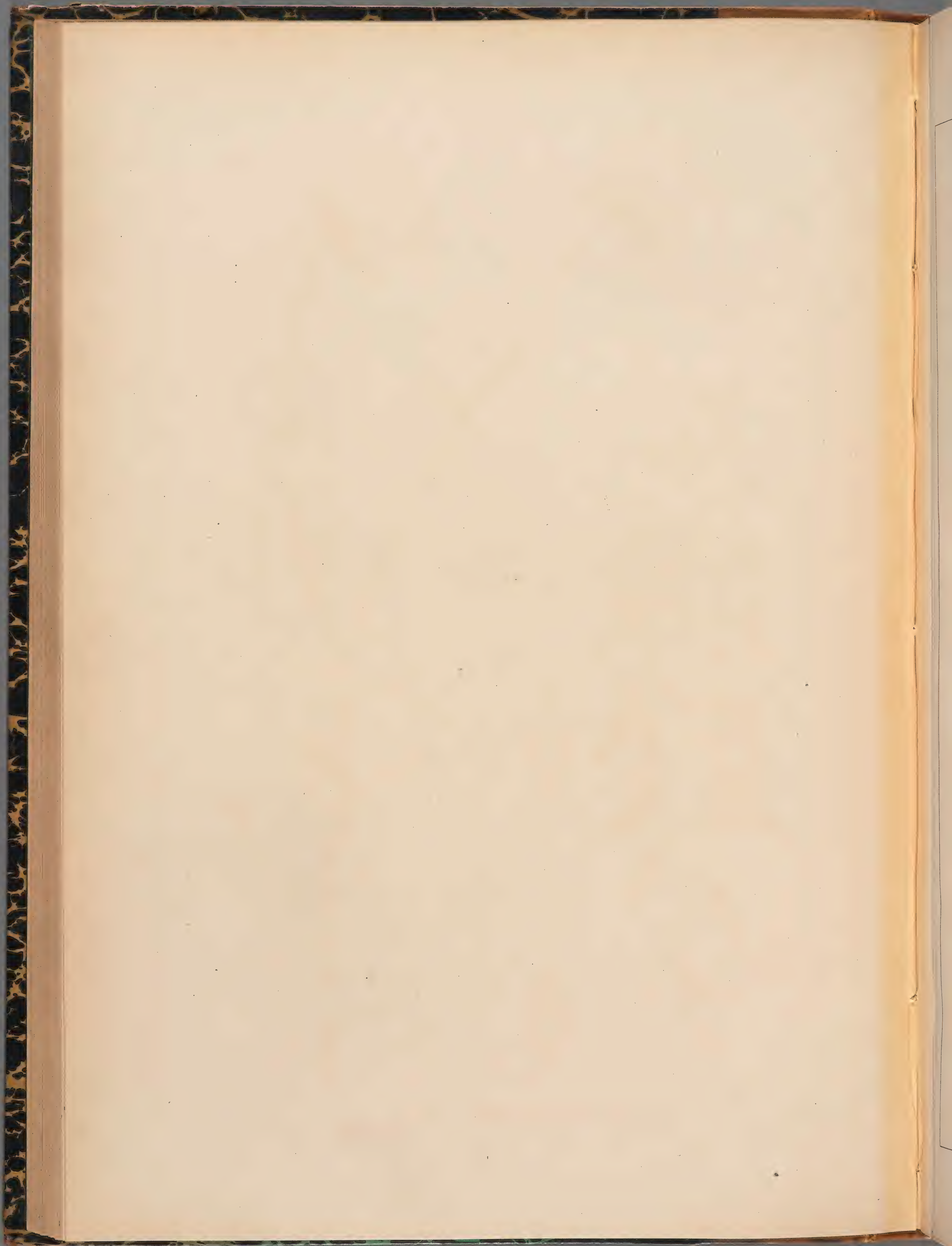






C. NUTANS. L. ②



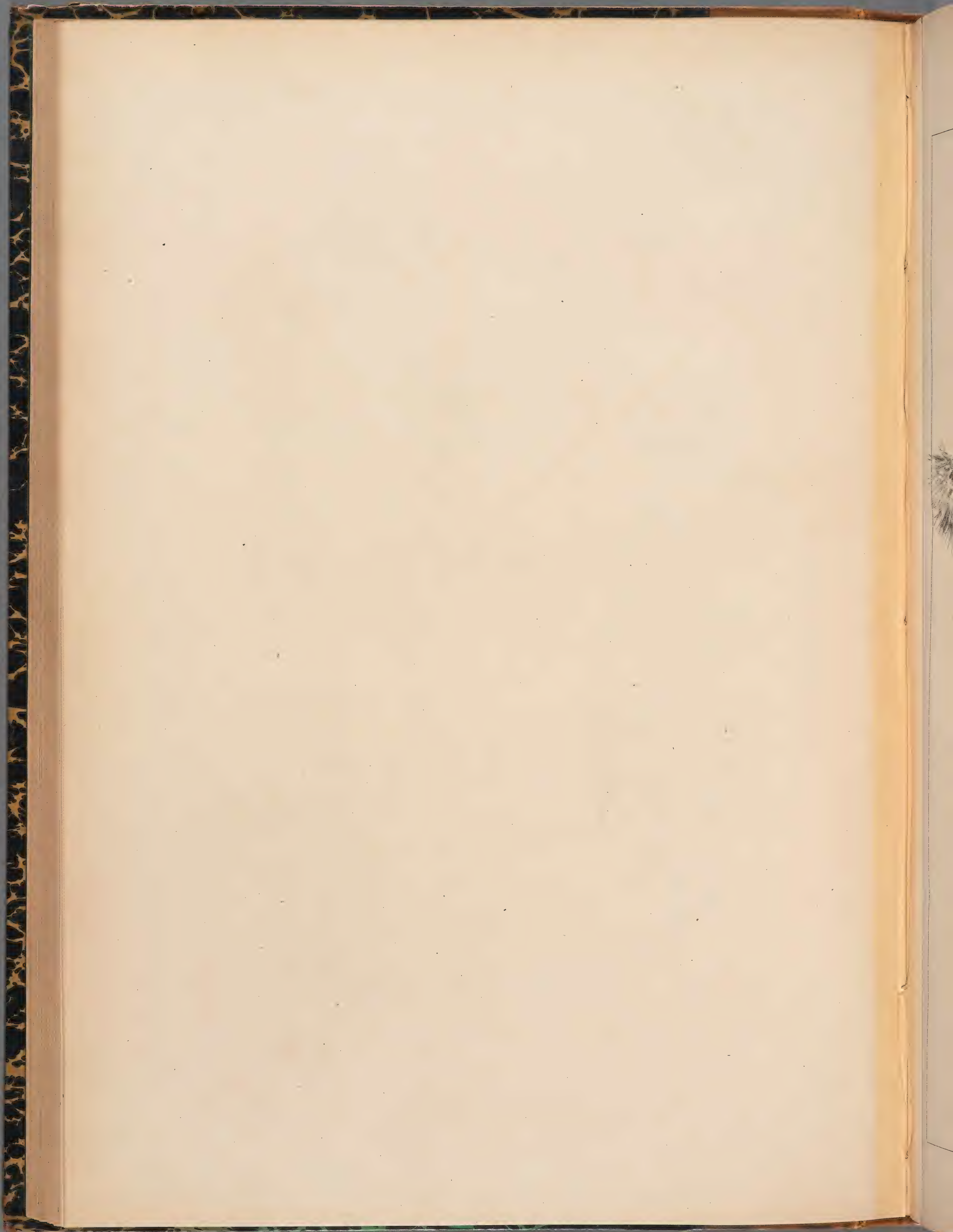






C. NIGRESCENS. VILL. ②



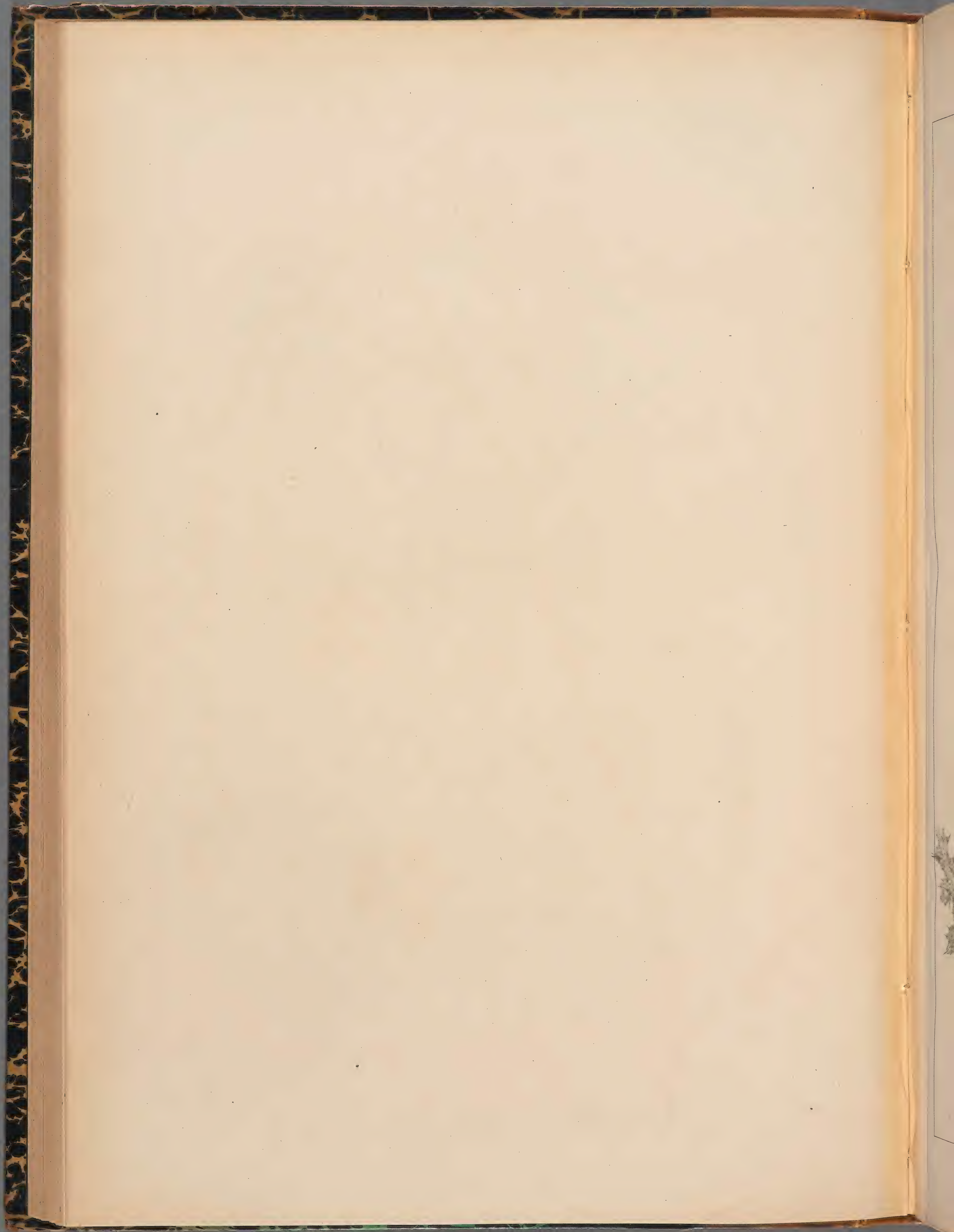






C . VIVARIENSIS . JORD. ②



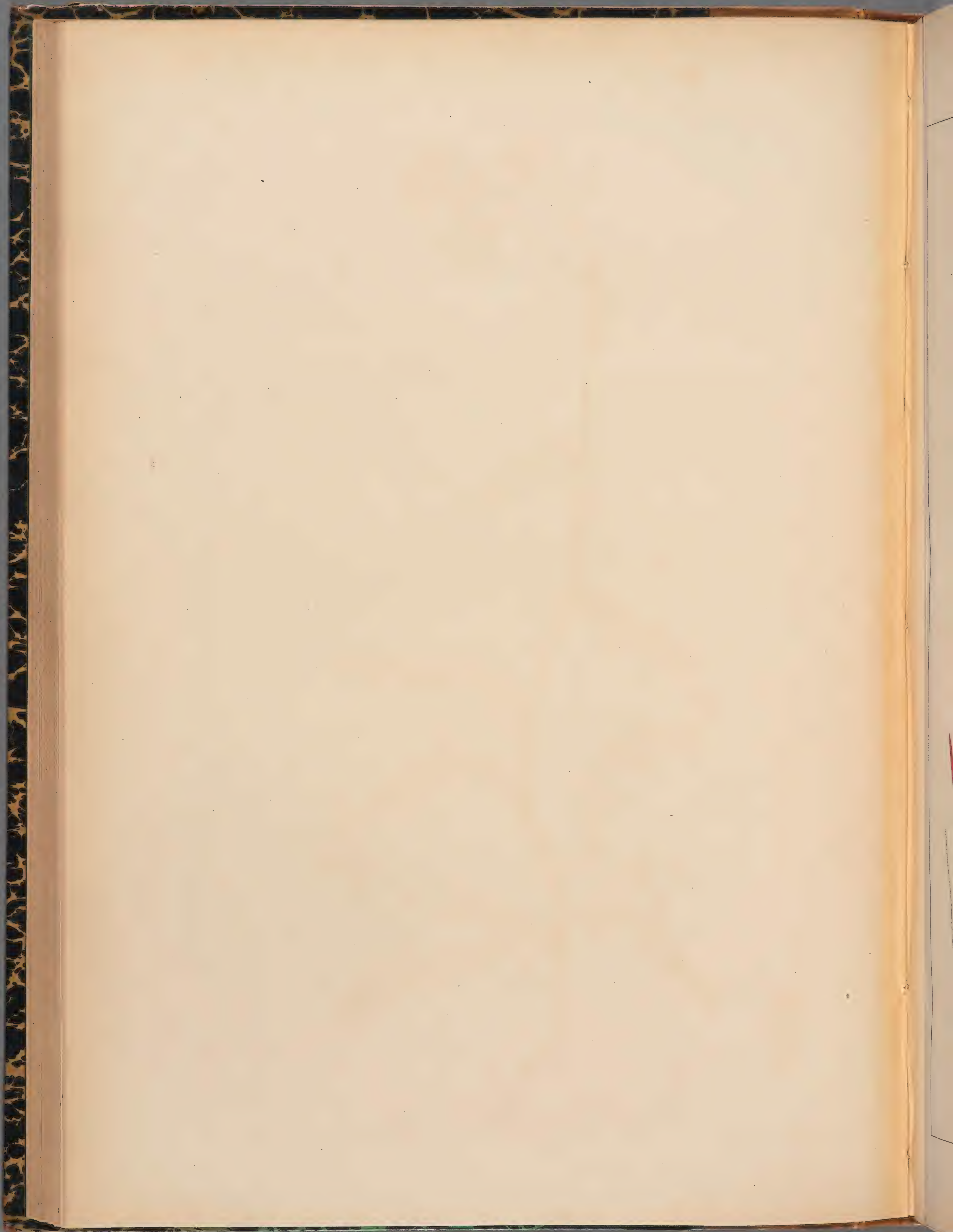






C. HAMULOSUS. EHRH. ②



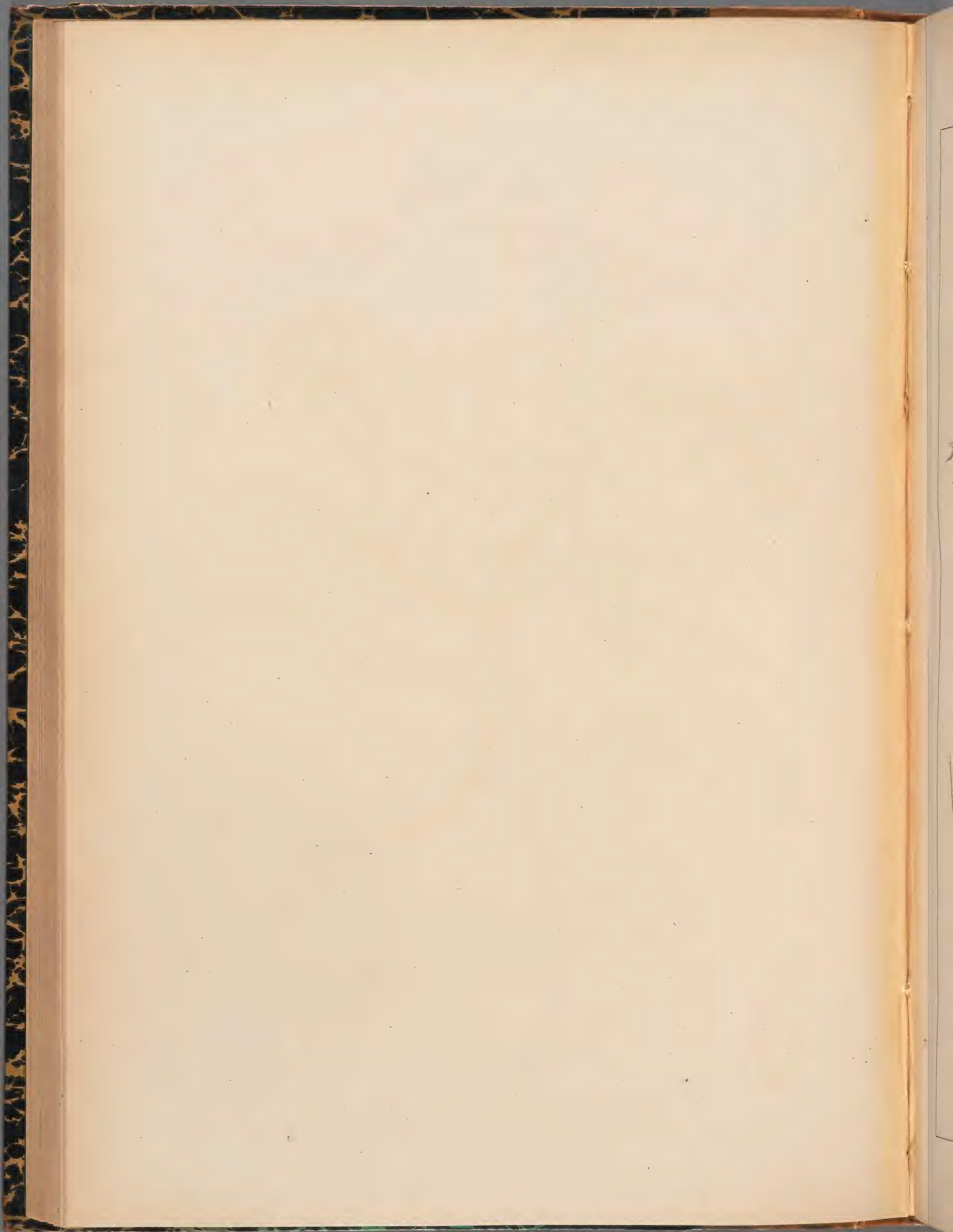






C. SANCTÆ-BALMÆ. LOIS. ②



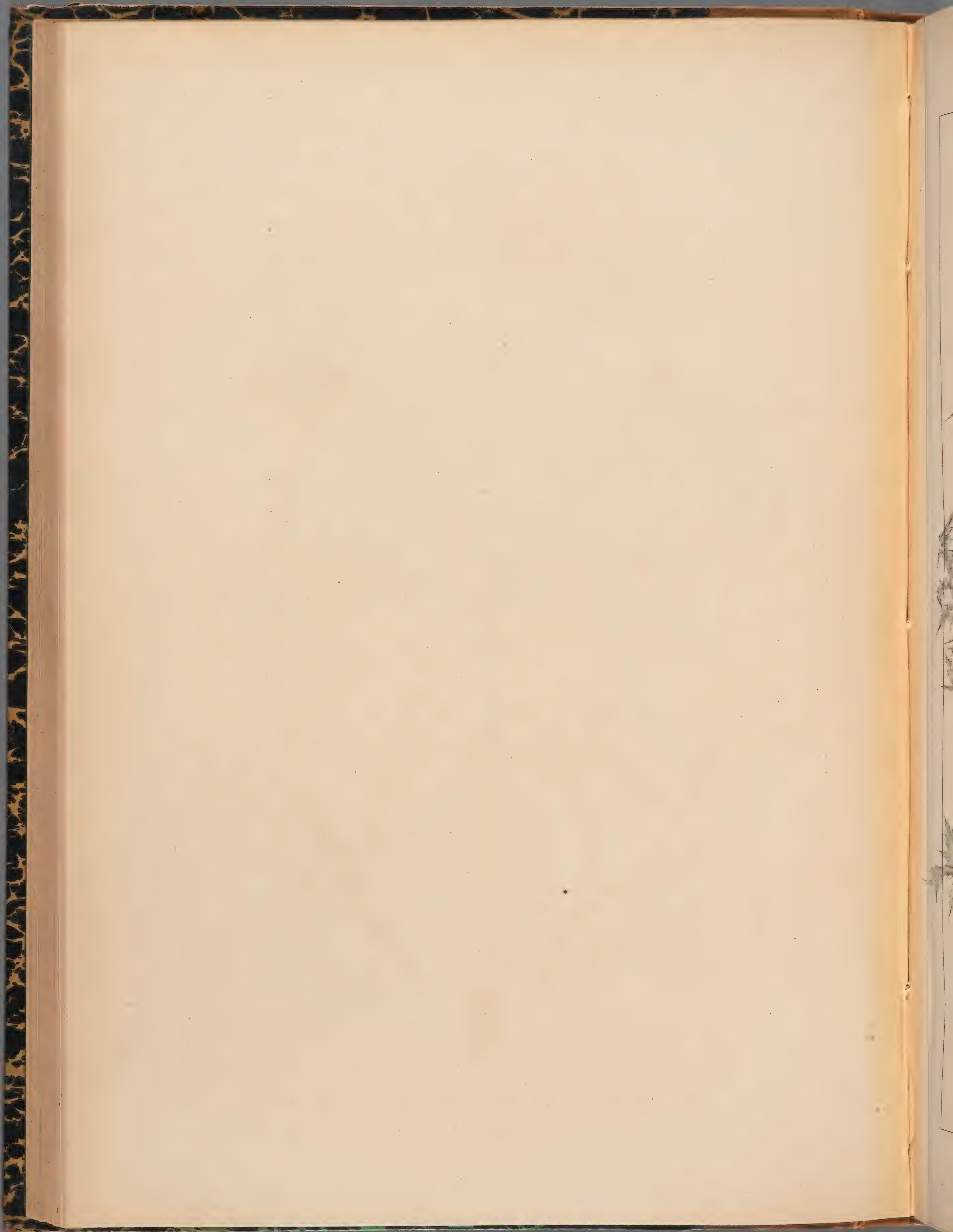






C . AUROSICUS . VILL . ②



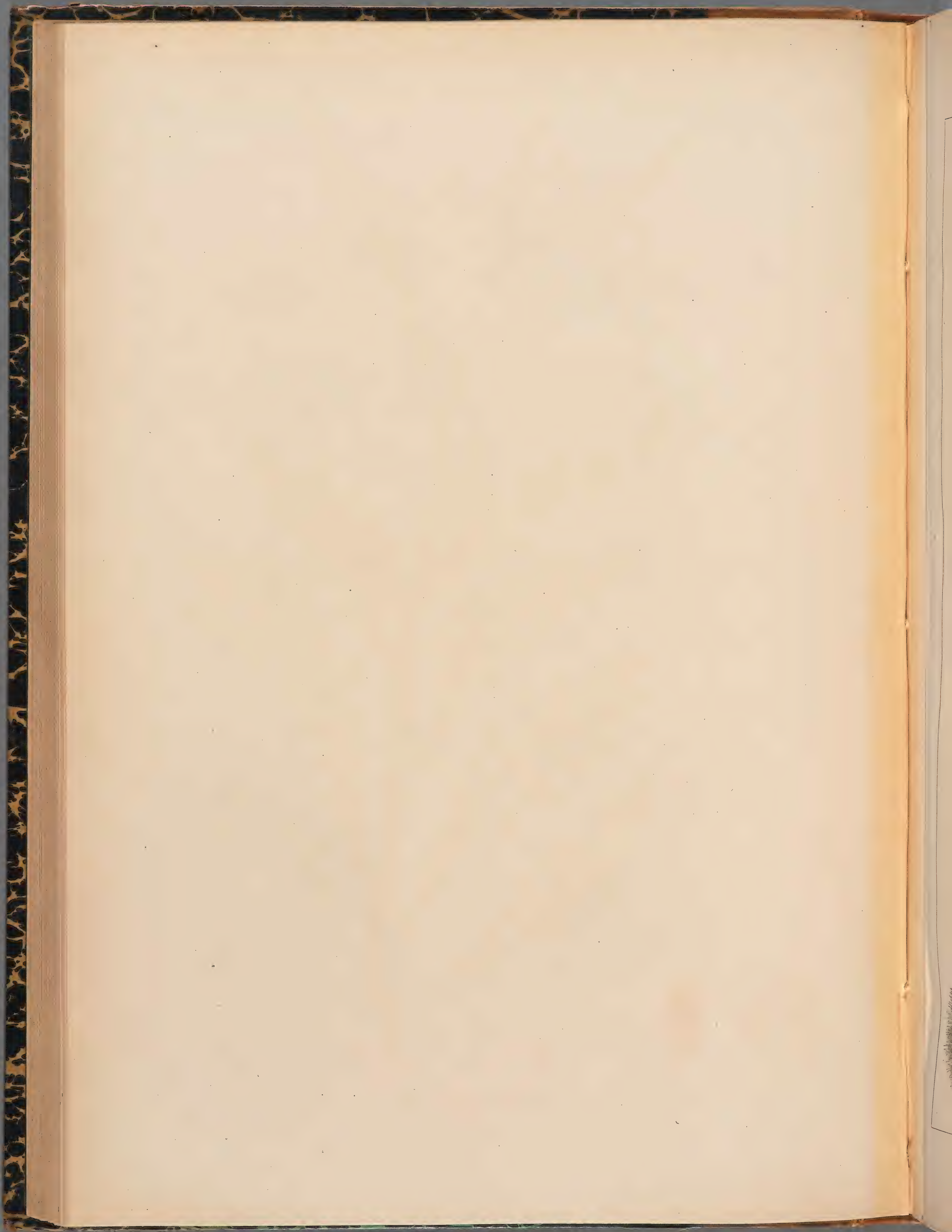






C. CARLINÆFOLIUS. LAMK. 2



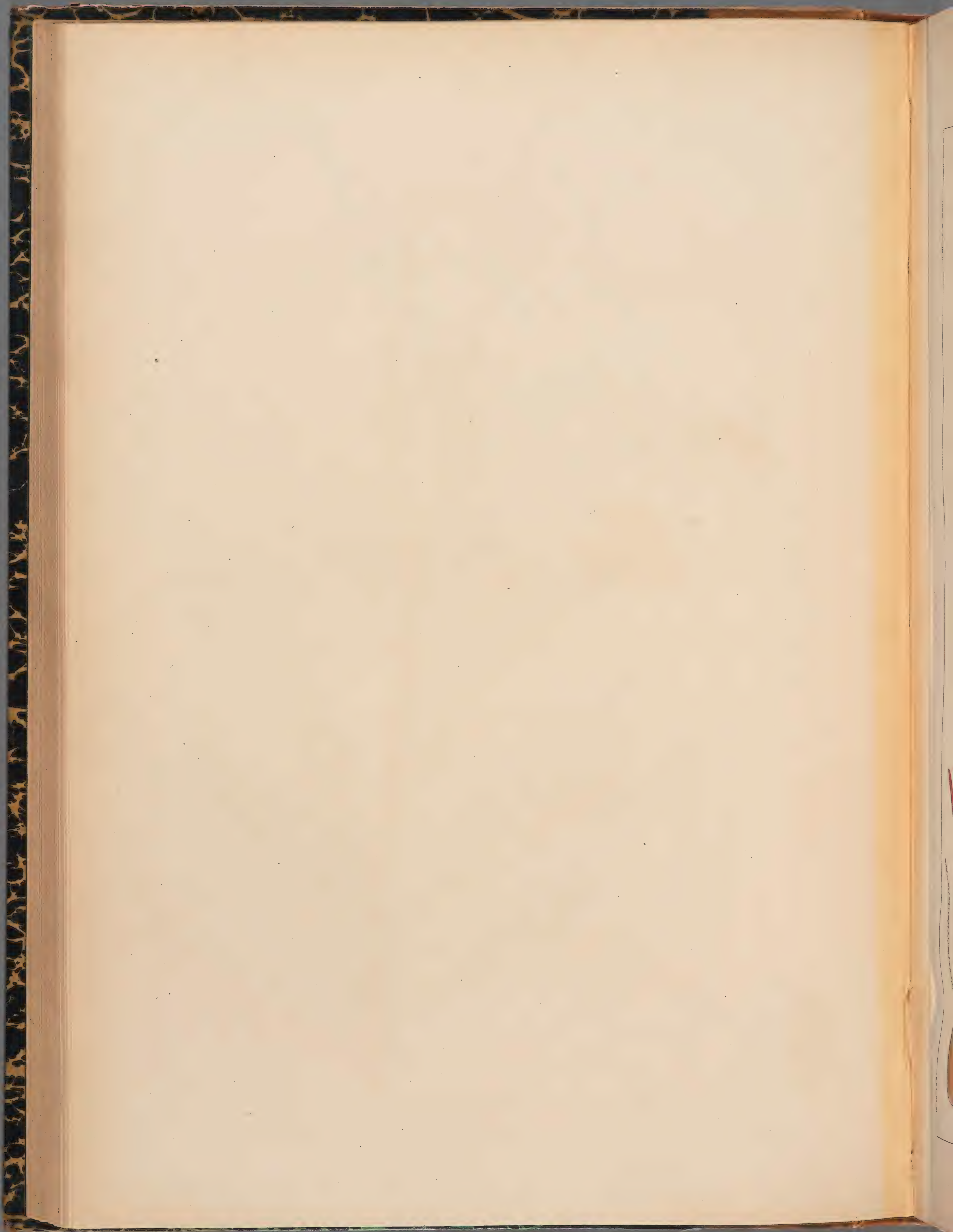






C. DEFHORATUS . L. 2



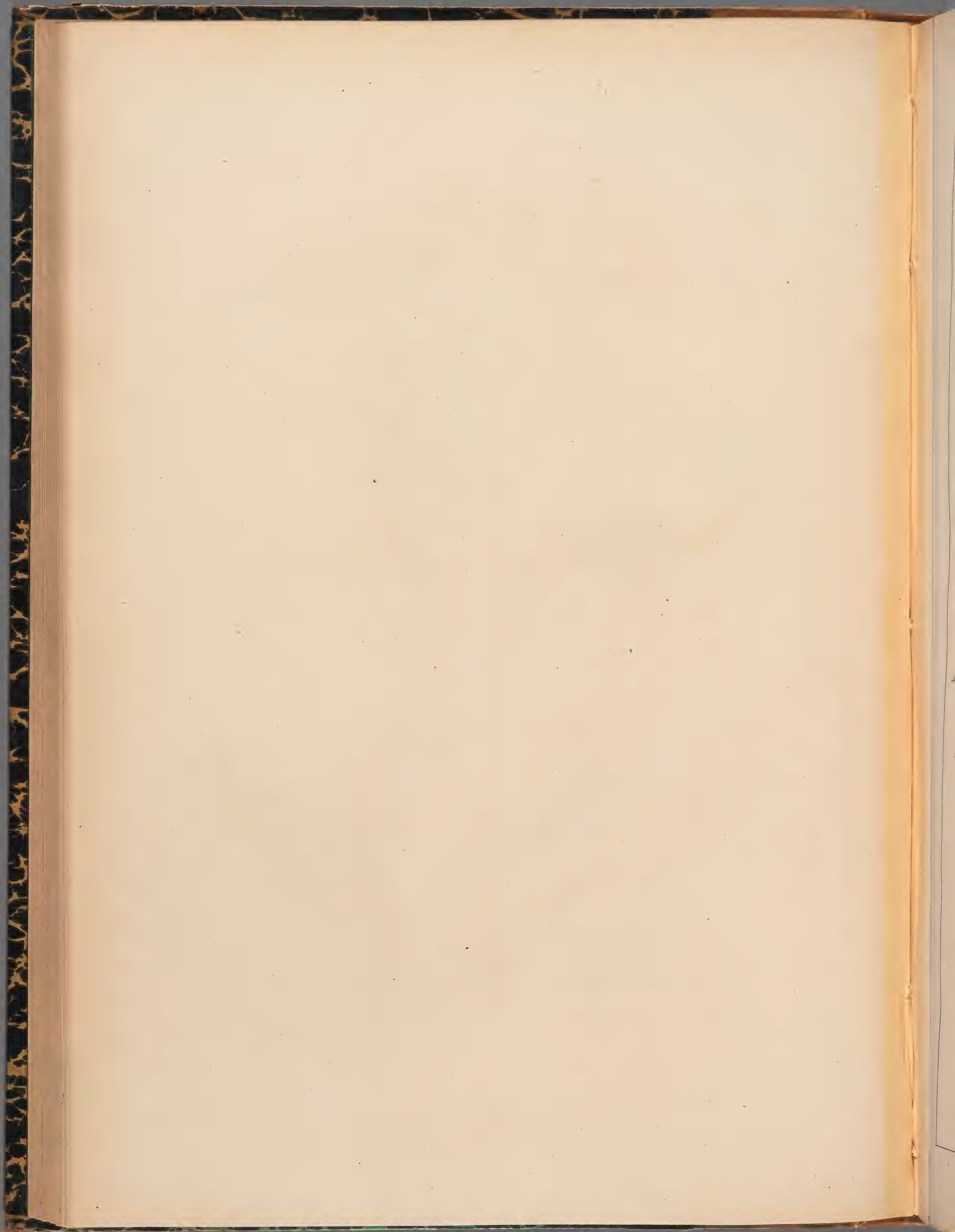






C. MEDIUS. GOU. 7



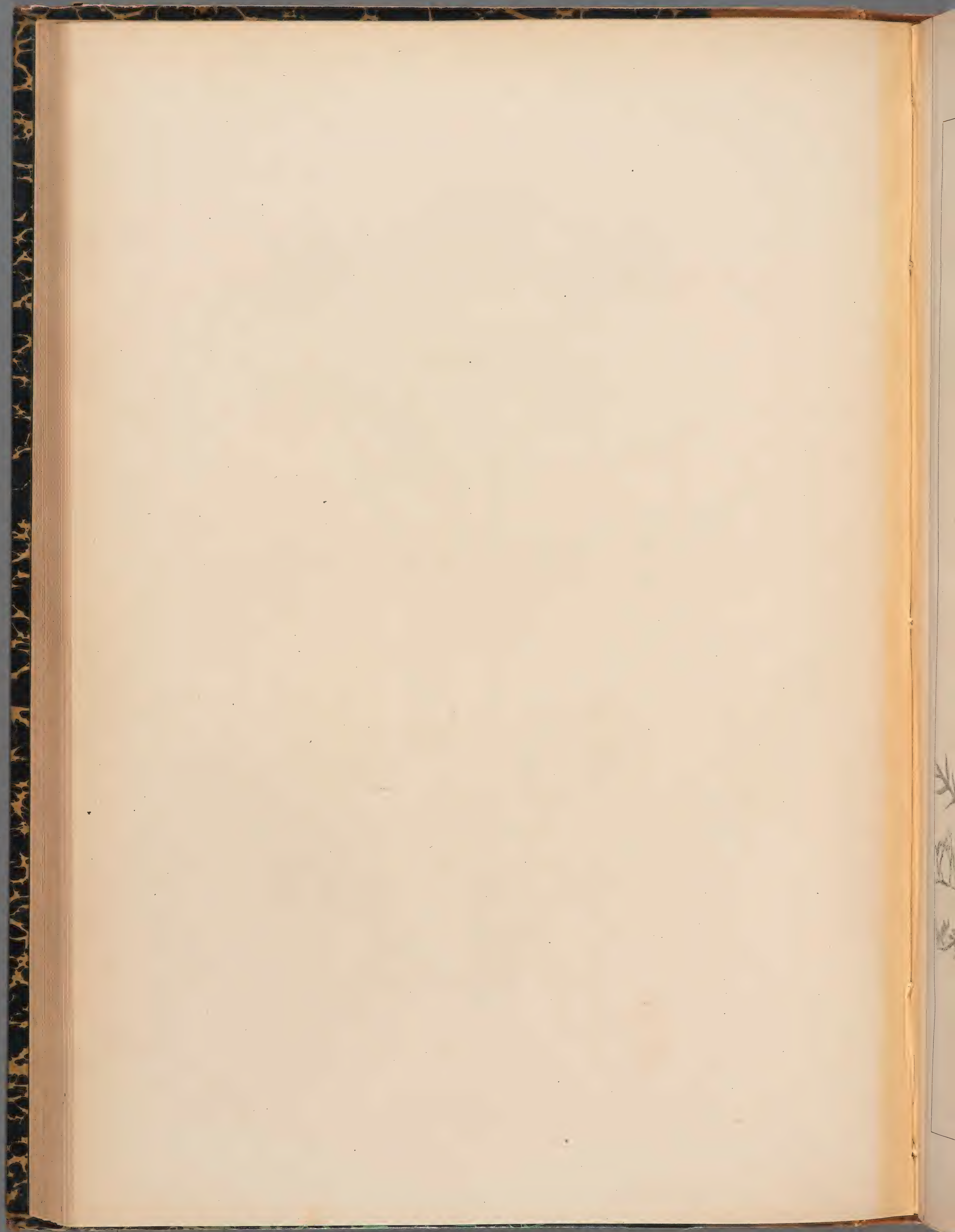






C. CARLINOIDES. GOU. 2/



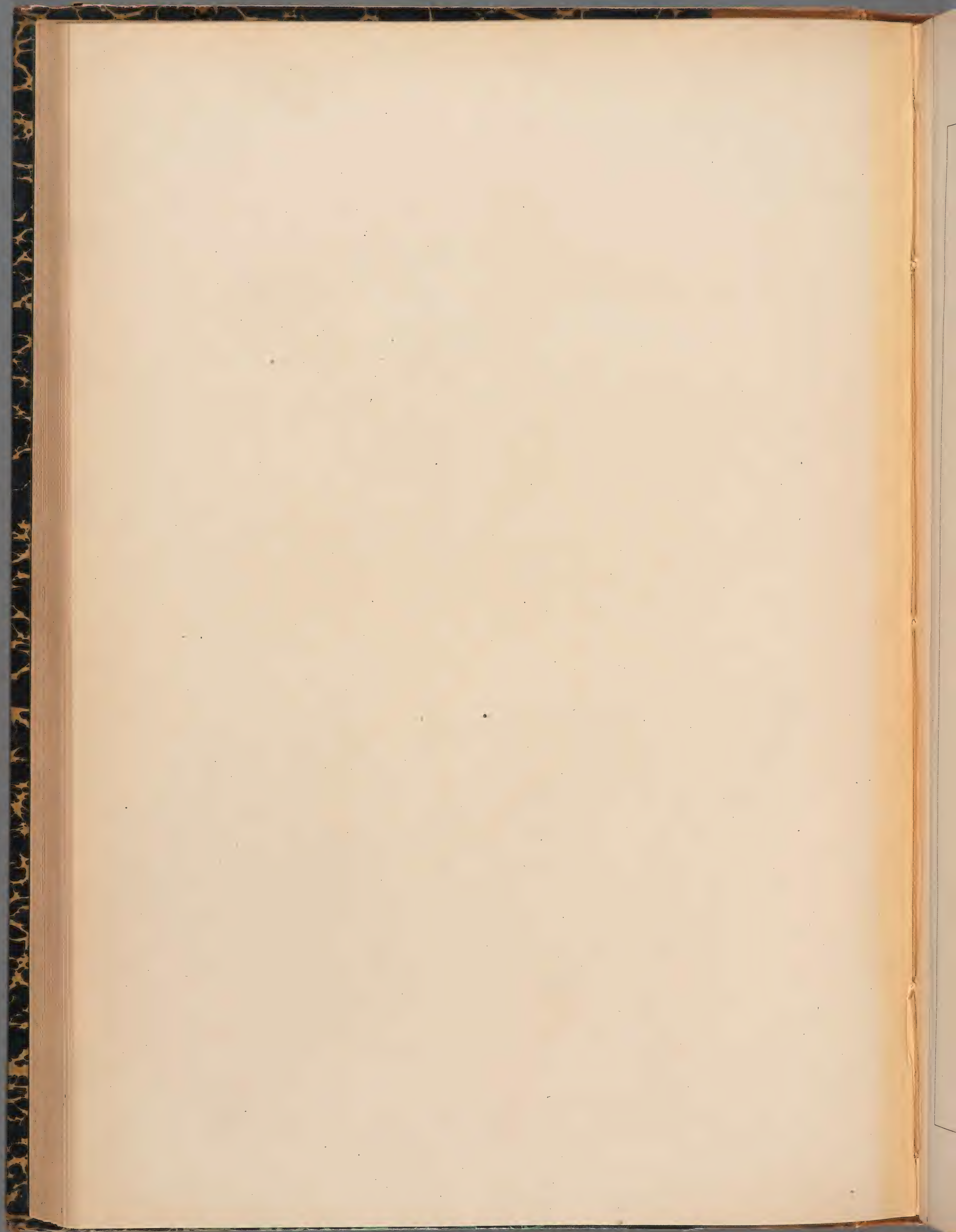






CARDUNCELLUS MITISSIMUS. D. C. ♂



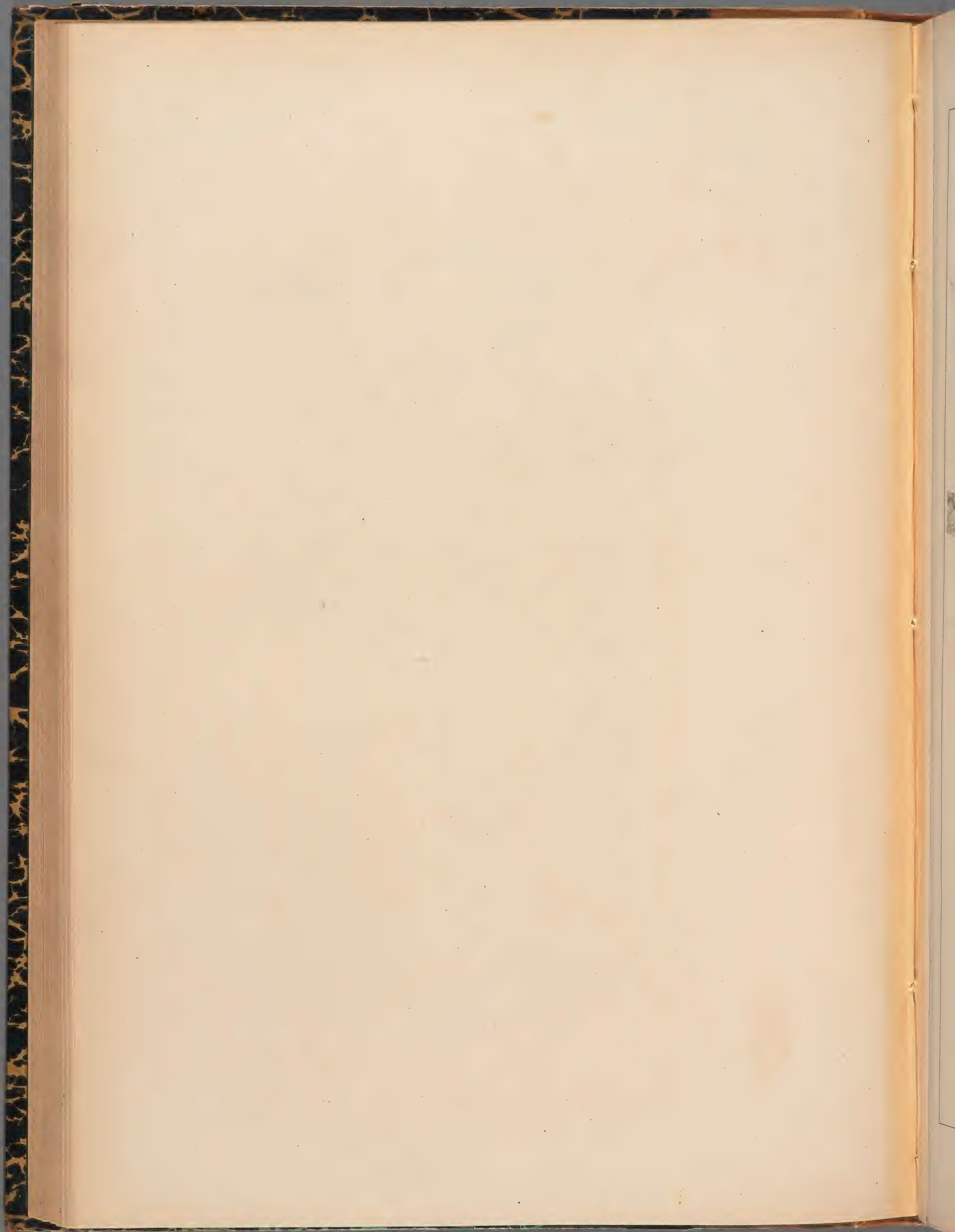






C. MONSPELIENSIMUM. ALL. ♀



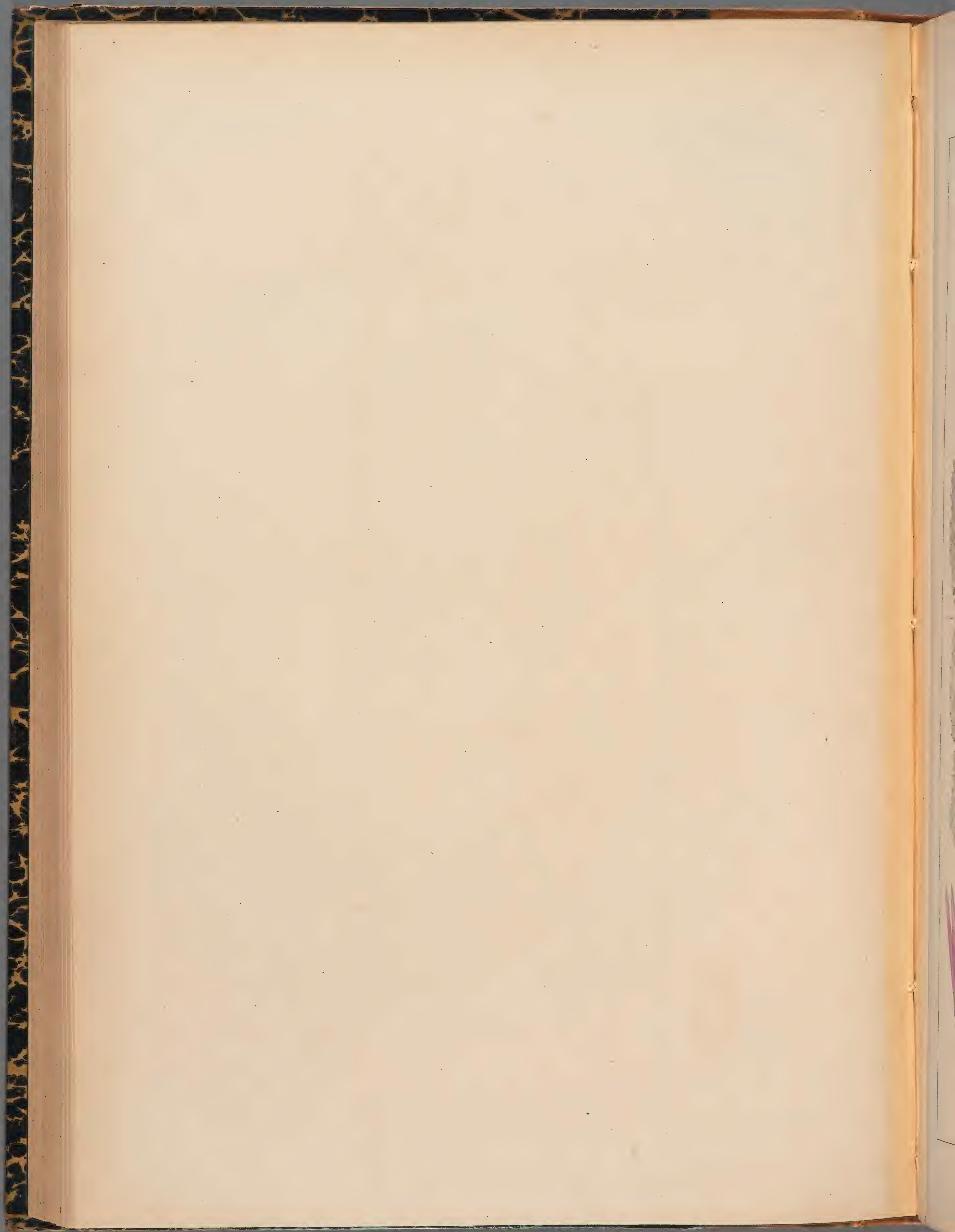






RHAPONTICUM CYNAROIDES. LESS. 2



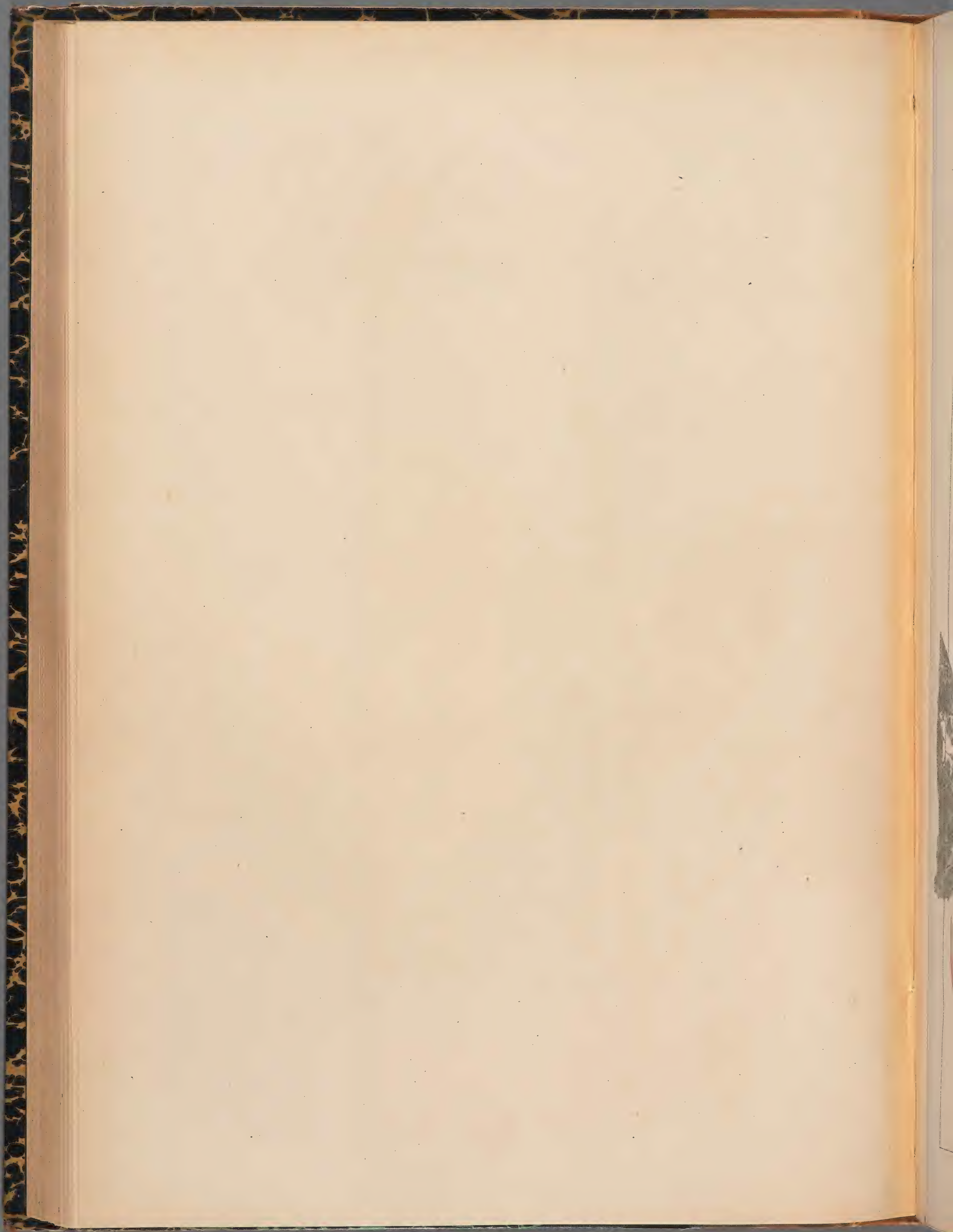






R. HELENIIFOLIUM G. G. Z.



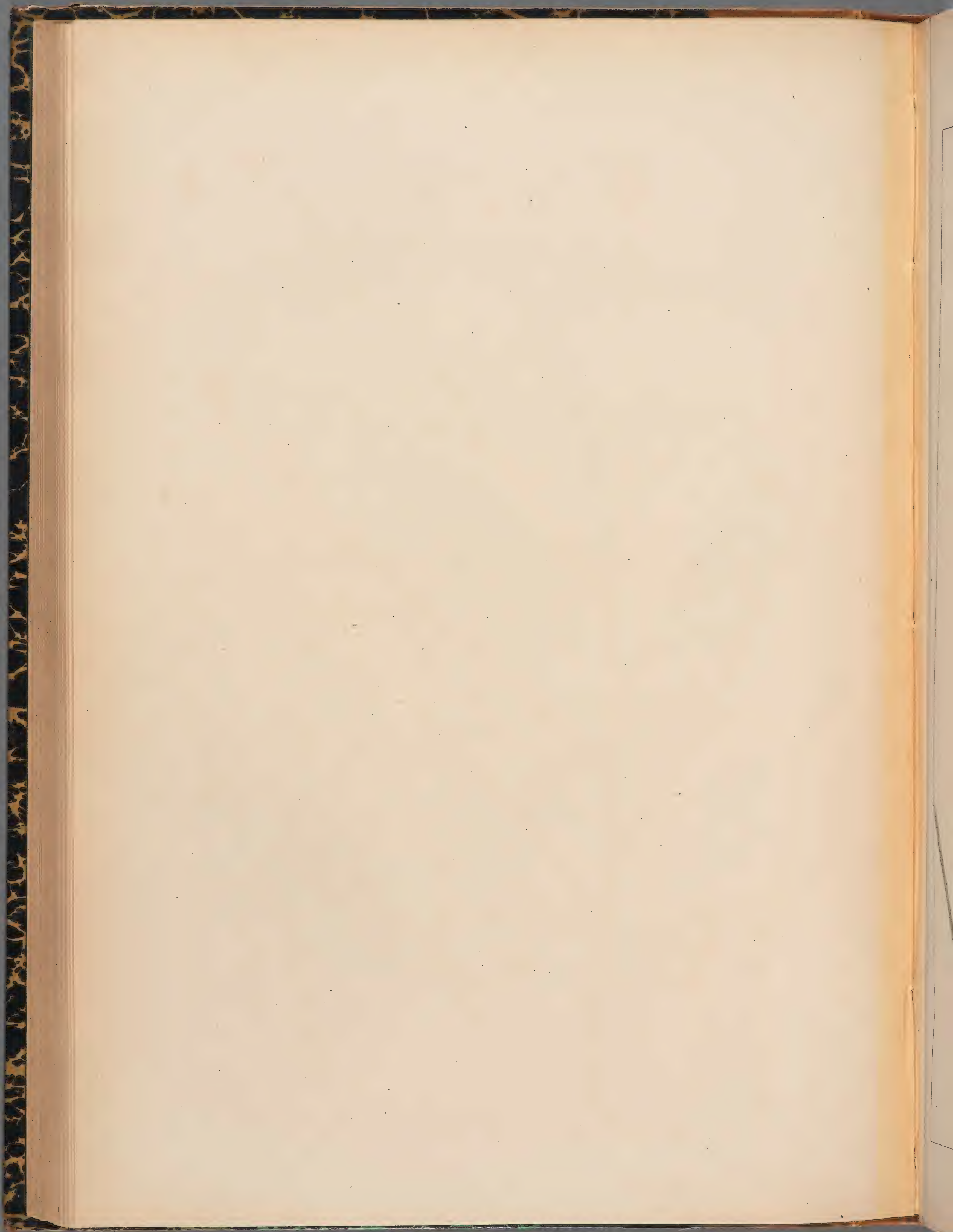






*R. SCARIOSUM* LAMK. 2



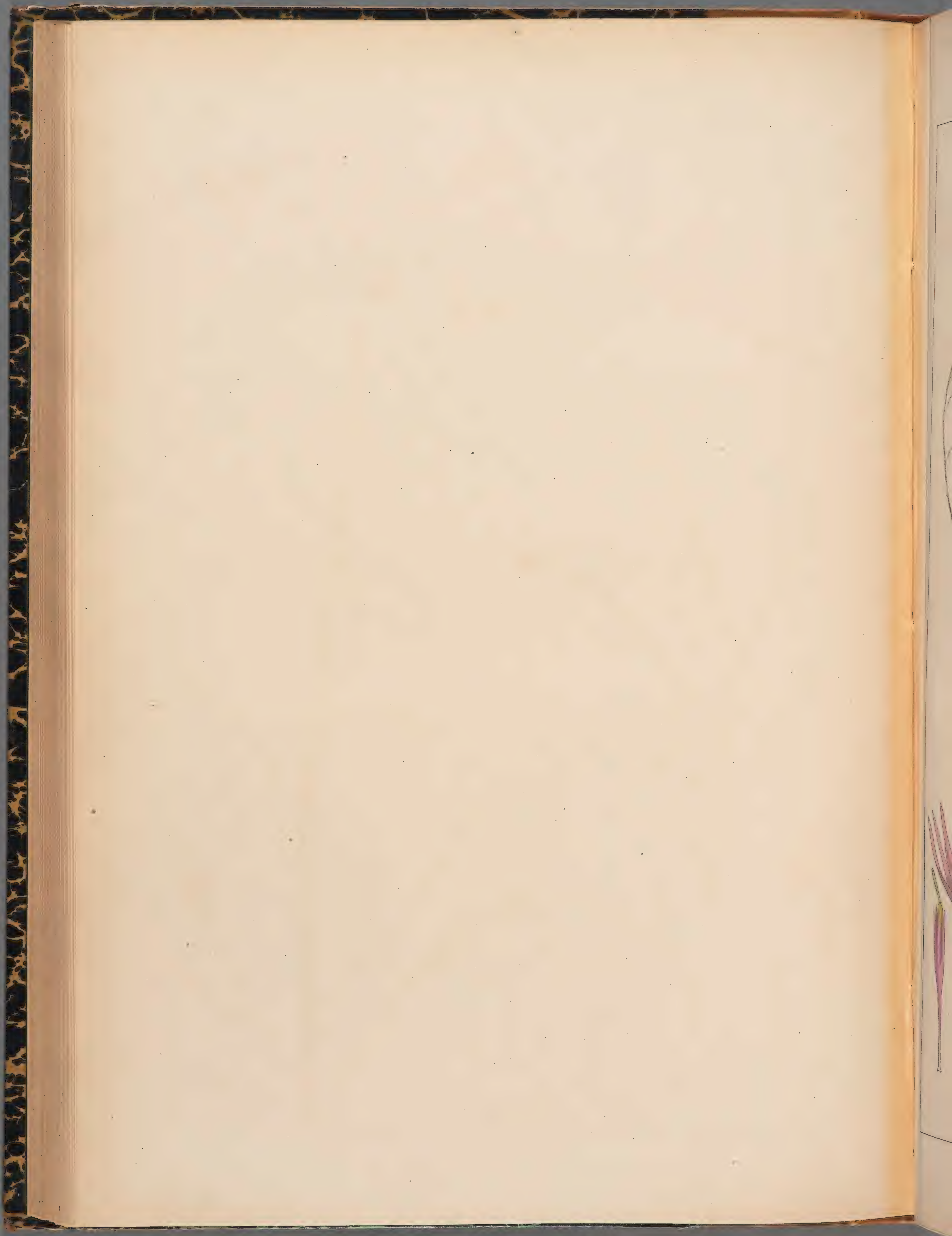






CENTAUREA SPLENDENS. BIEB. 2



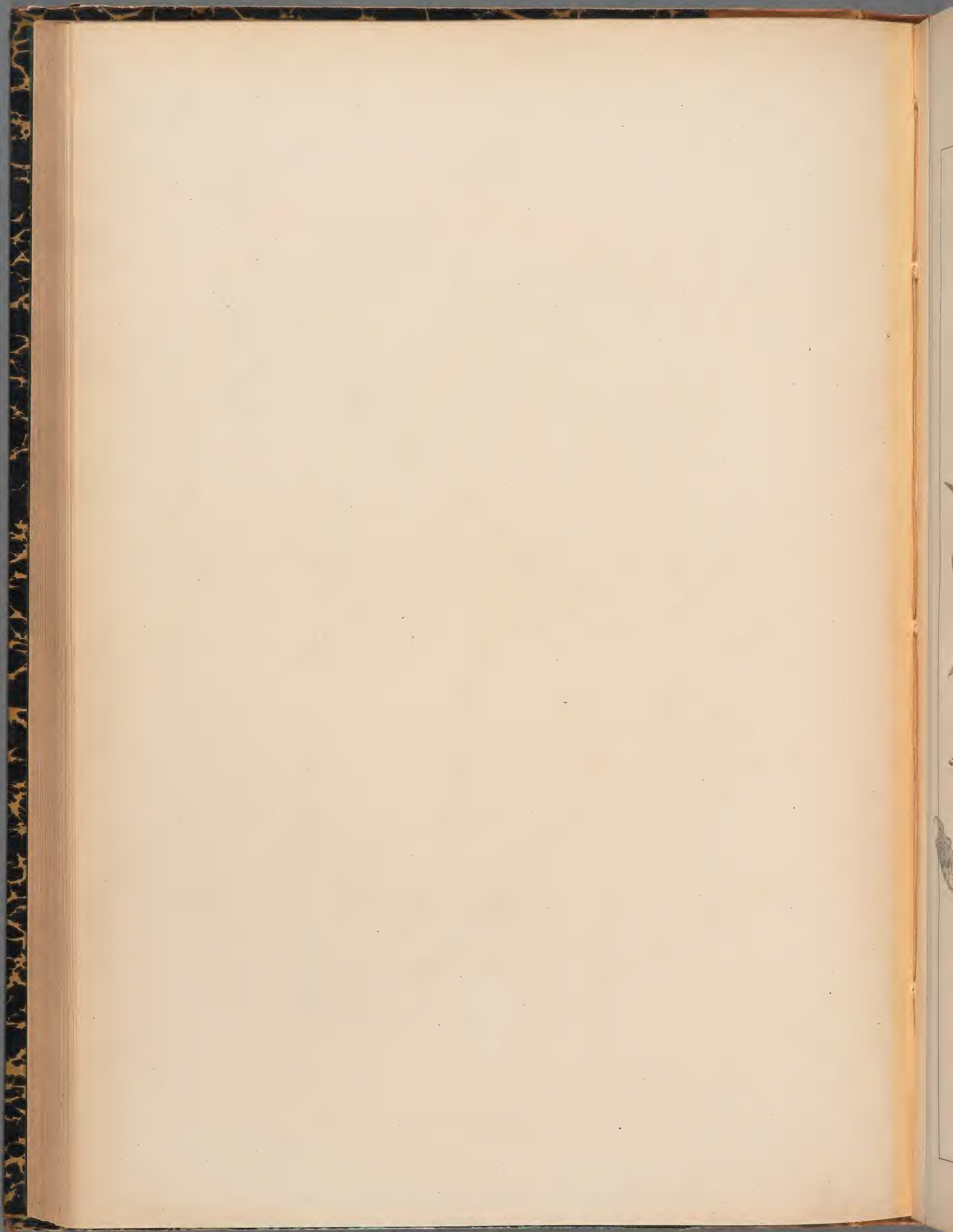






C . AMARA . L . 7



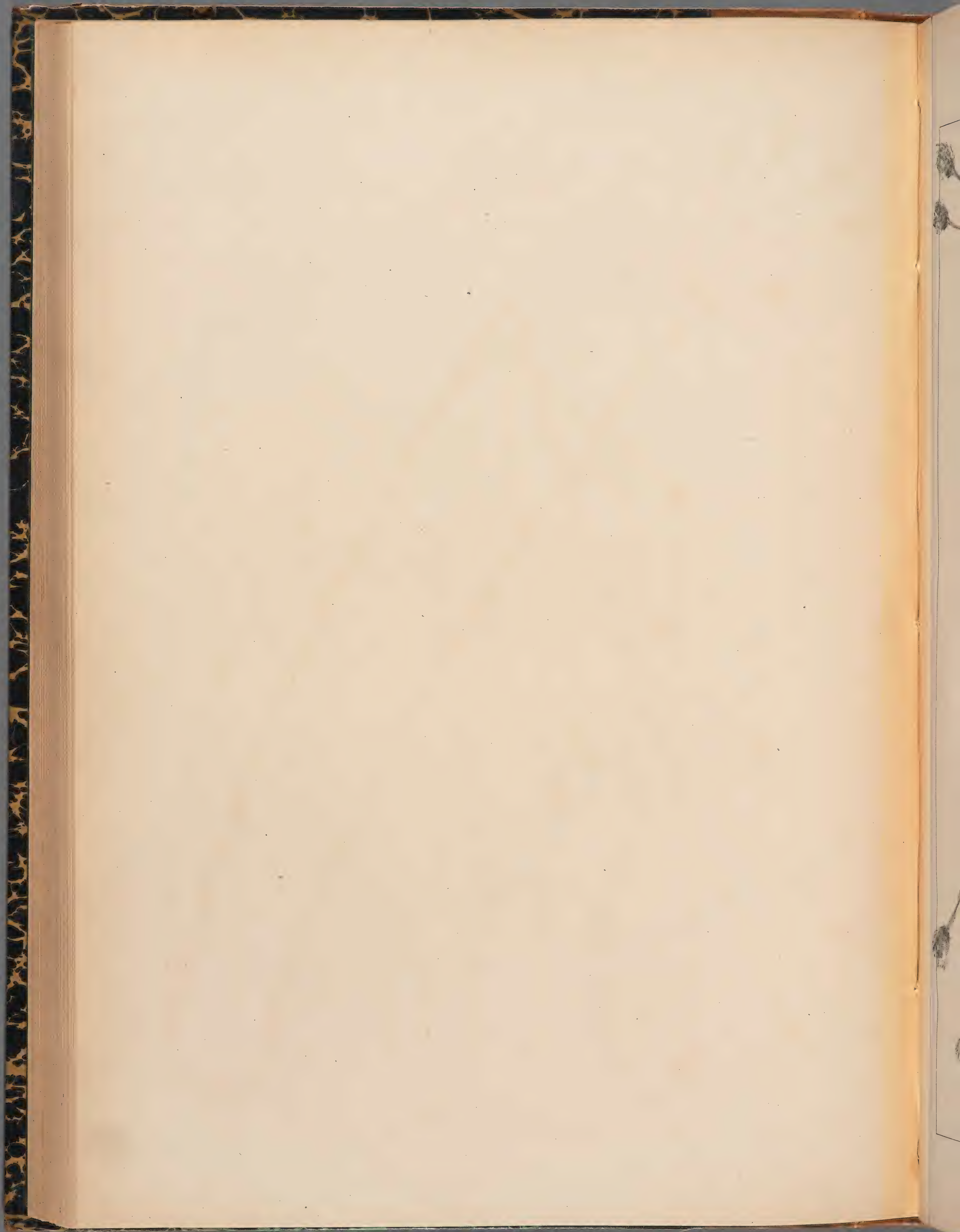






C. AMARA. L. ♀



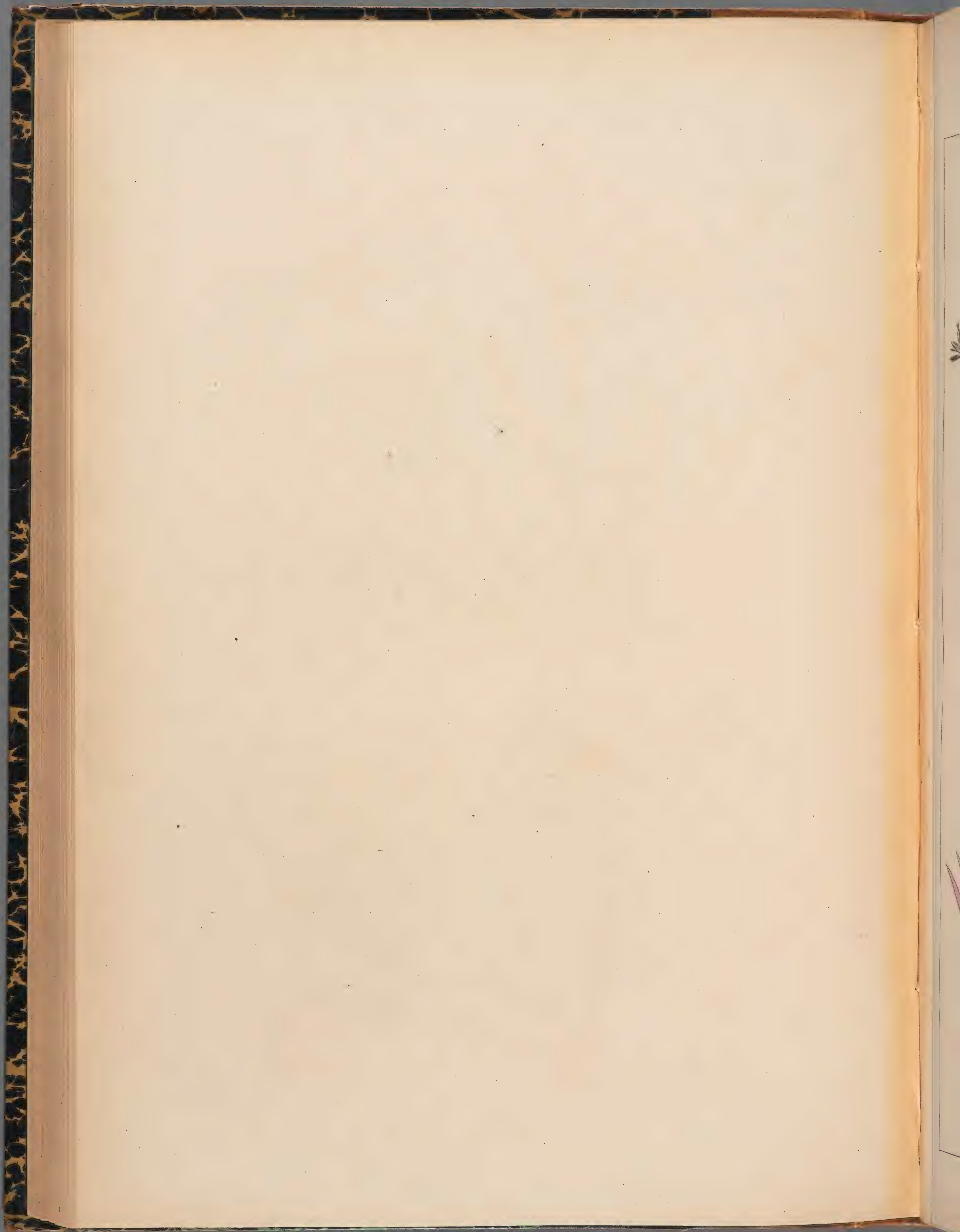






C . SEROTINA . BOR . 24



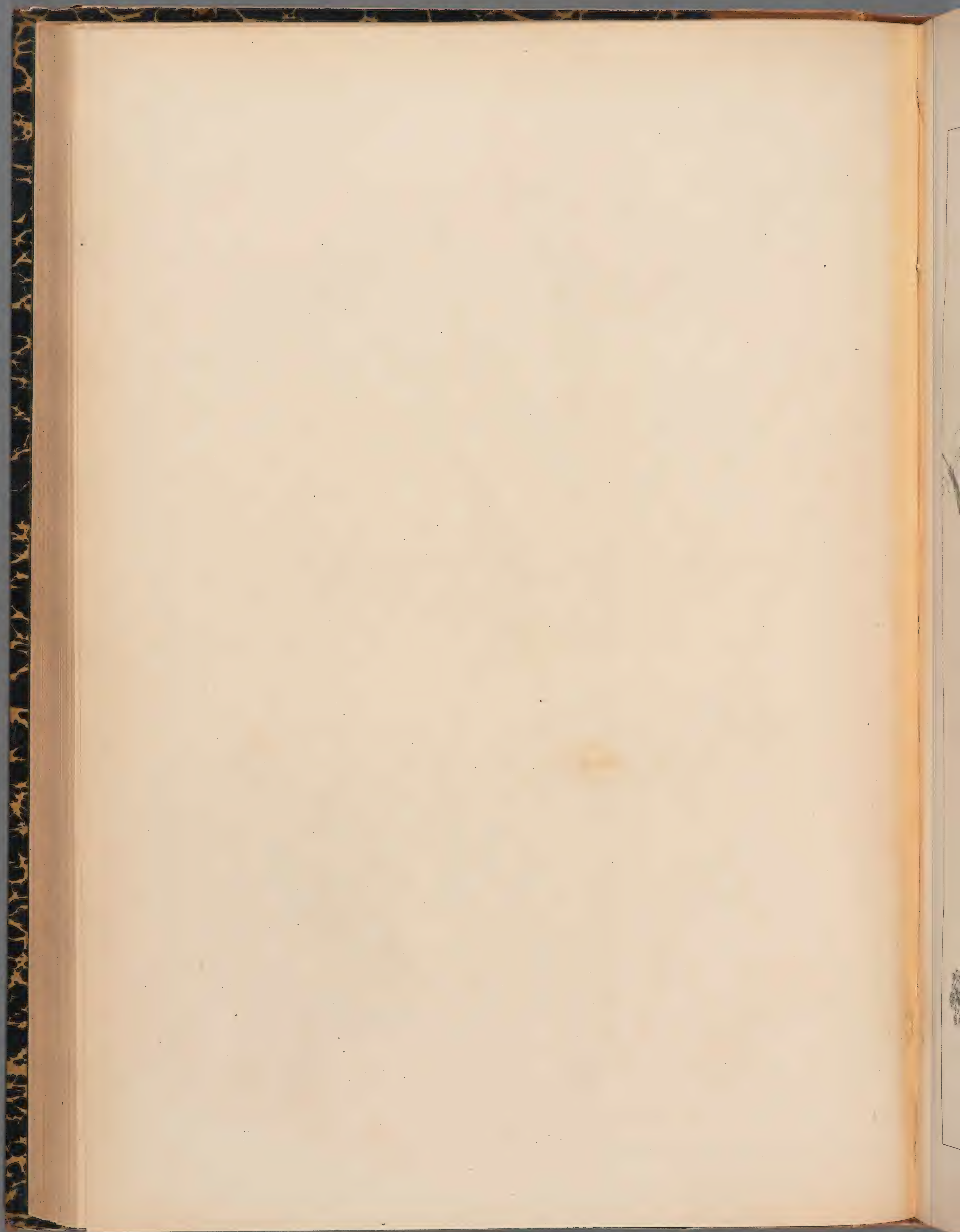






C . JACEA . L . Ț



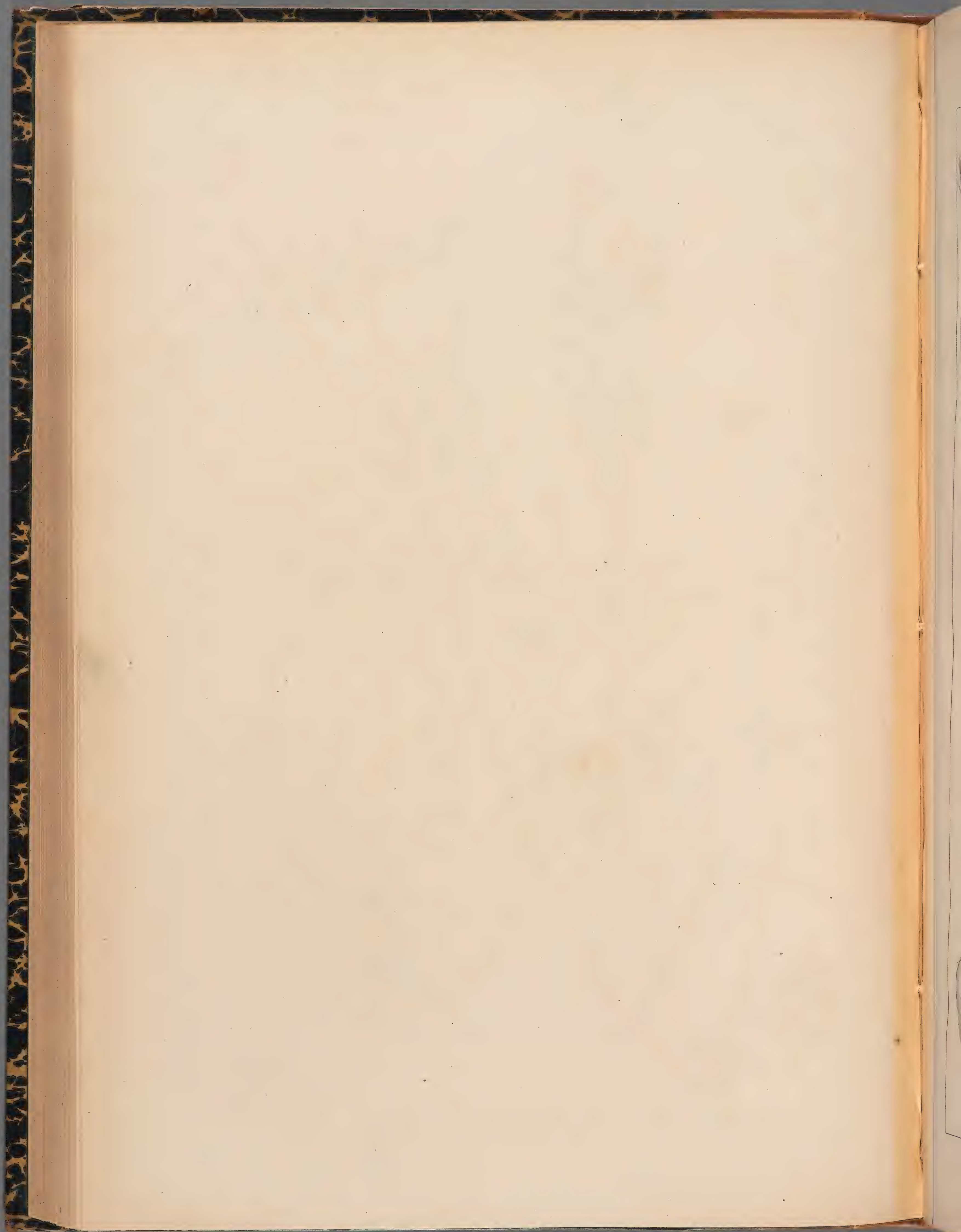






C. TUBULOSA CHABERT. ♀

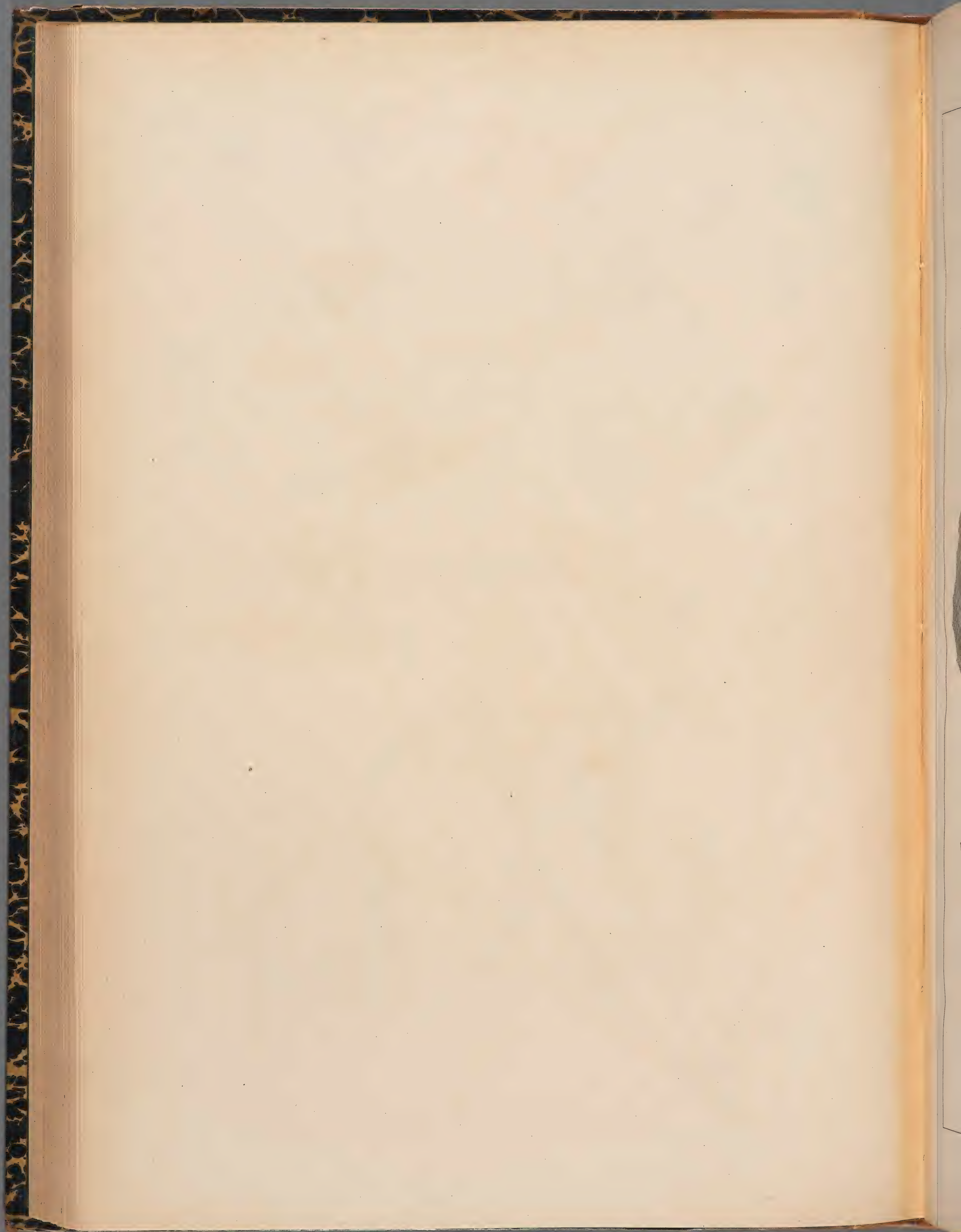










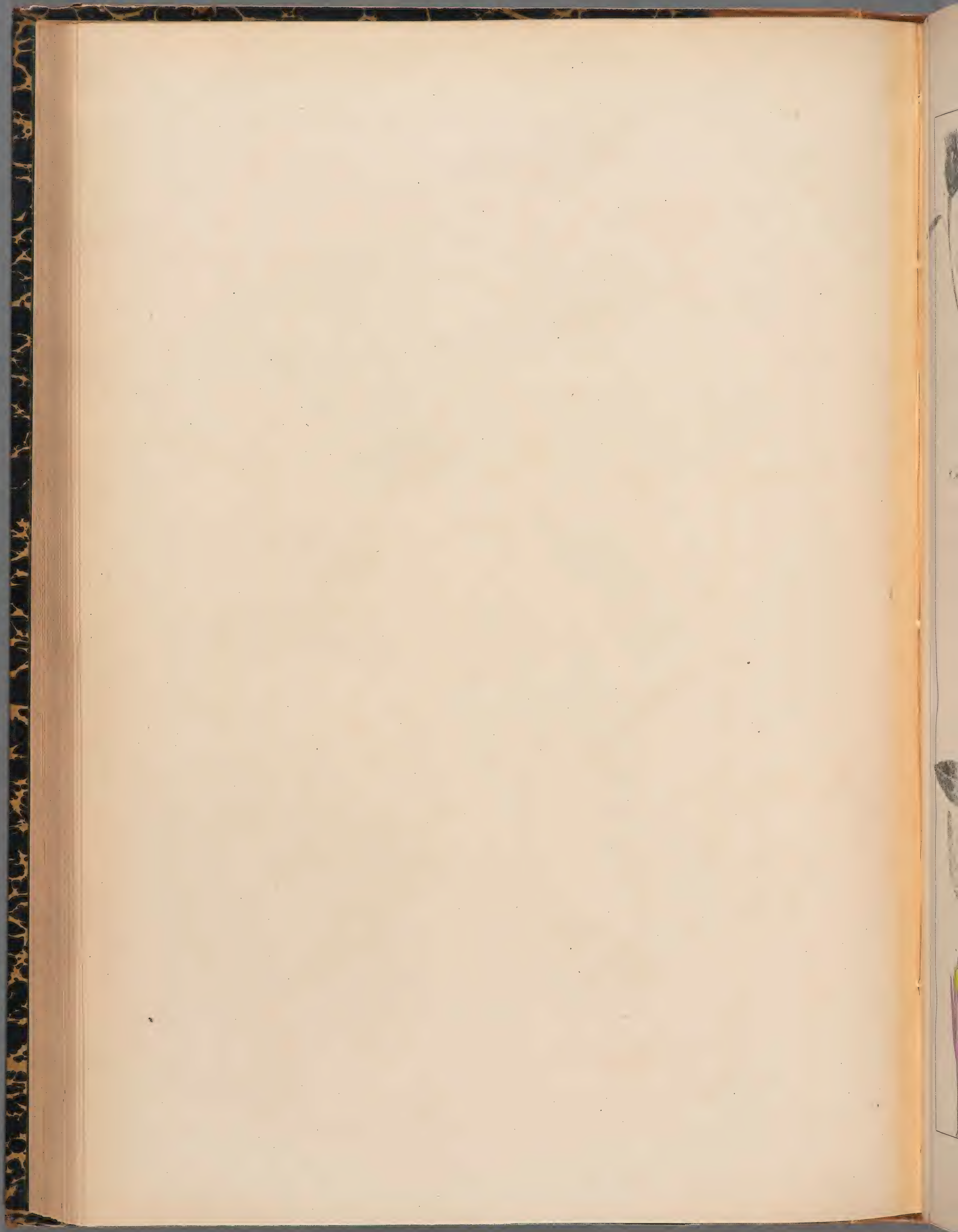






C. PRATENSIS. THUILL. 2







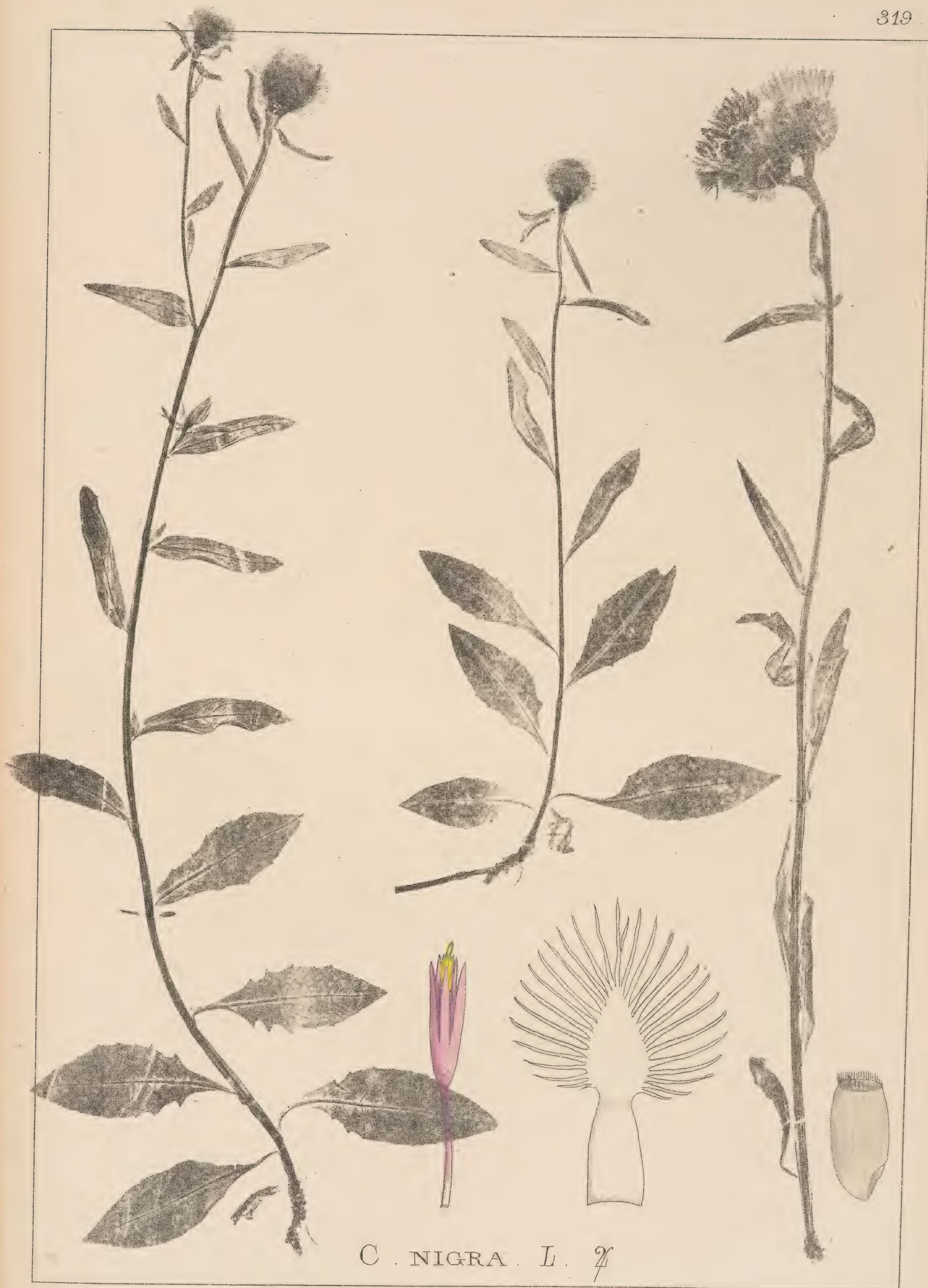


C. NEMORALIS. JORD. 7



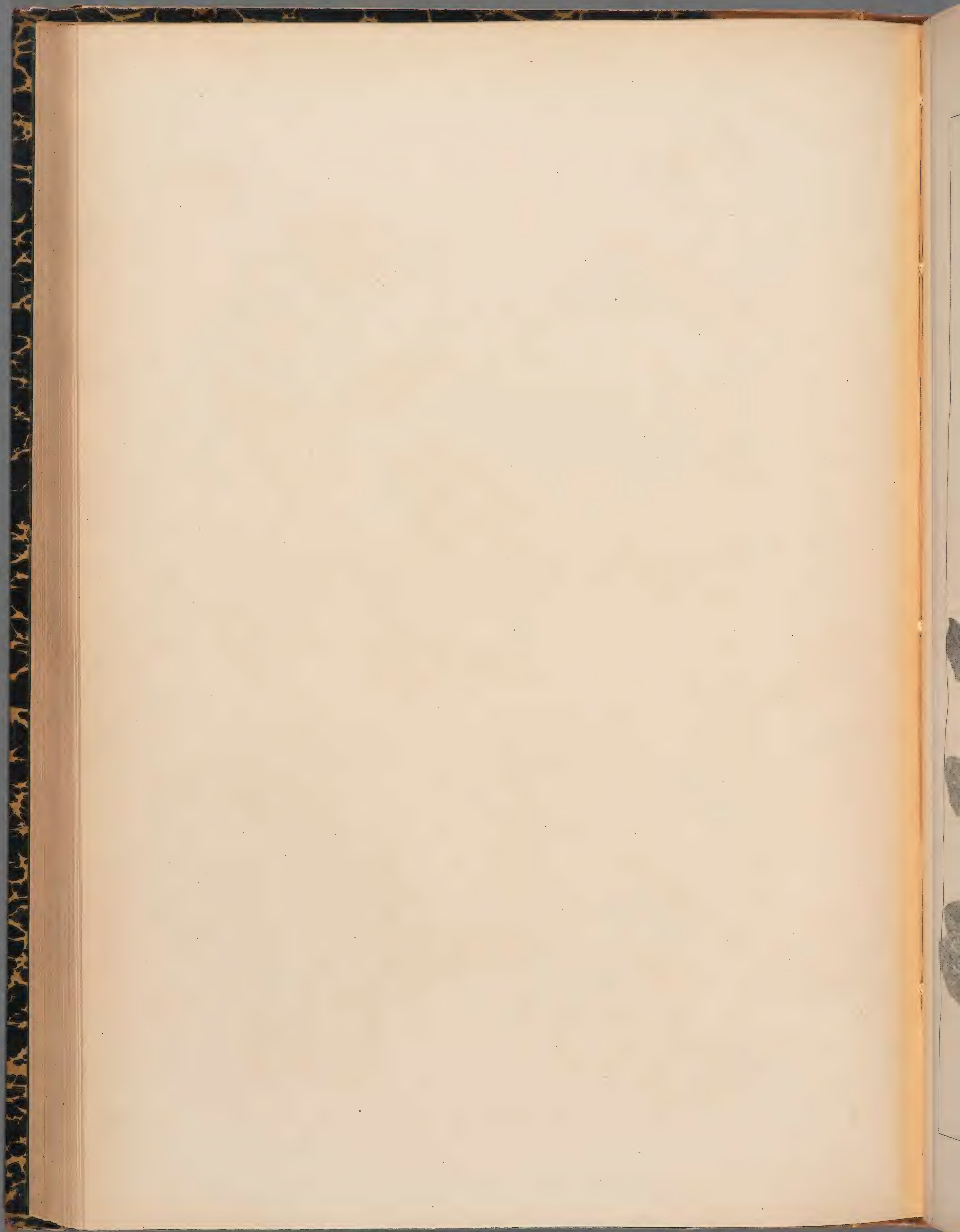






C. NIGRA. L. 2

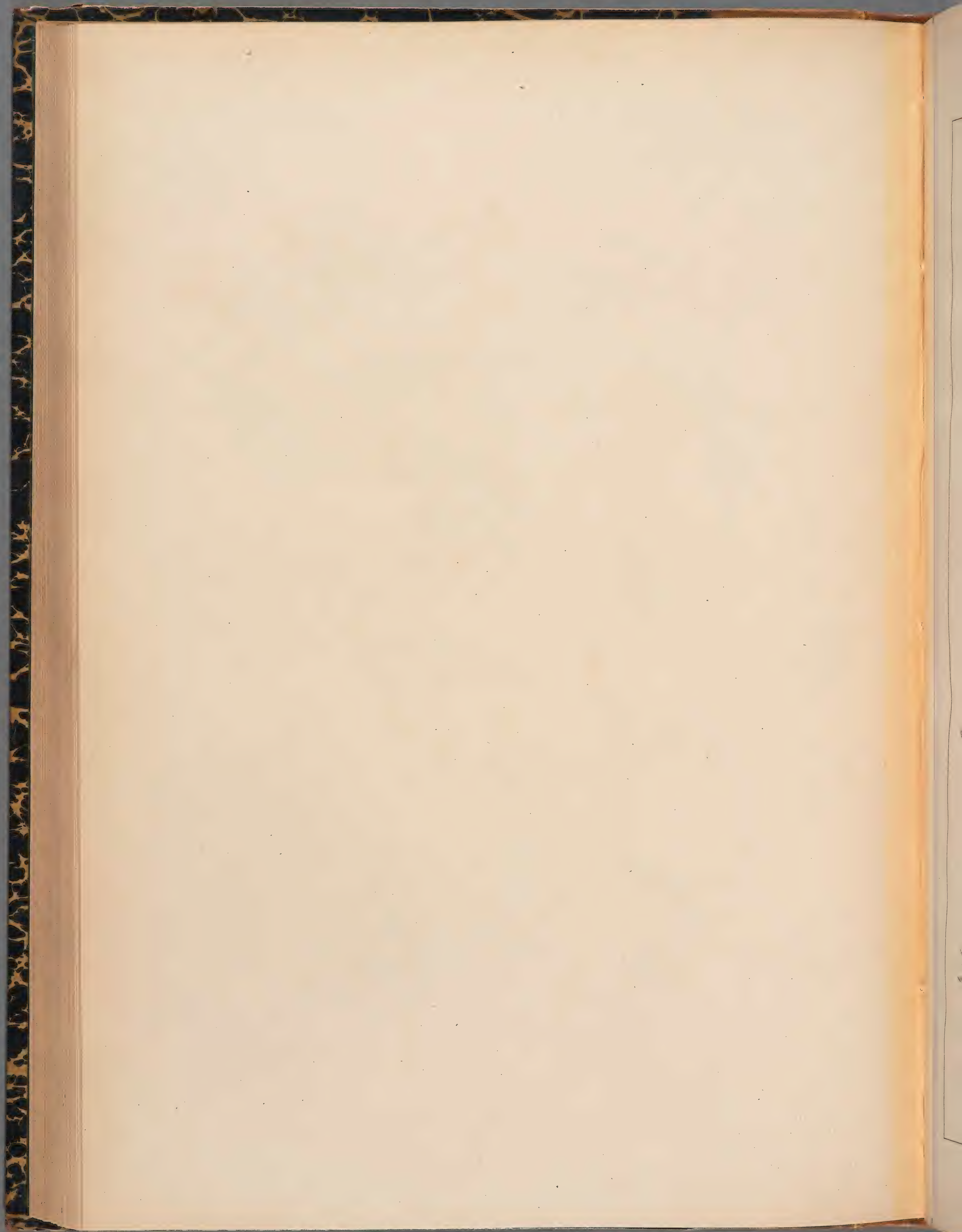










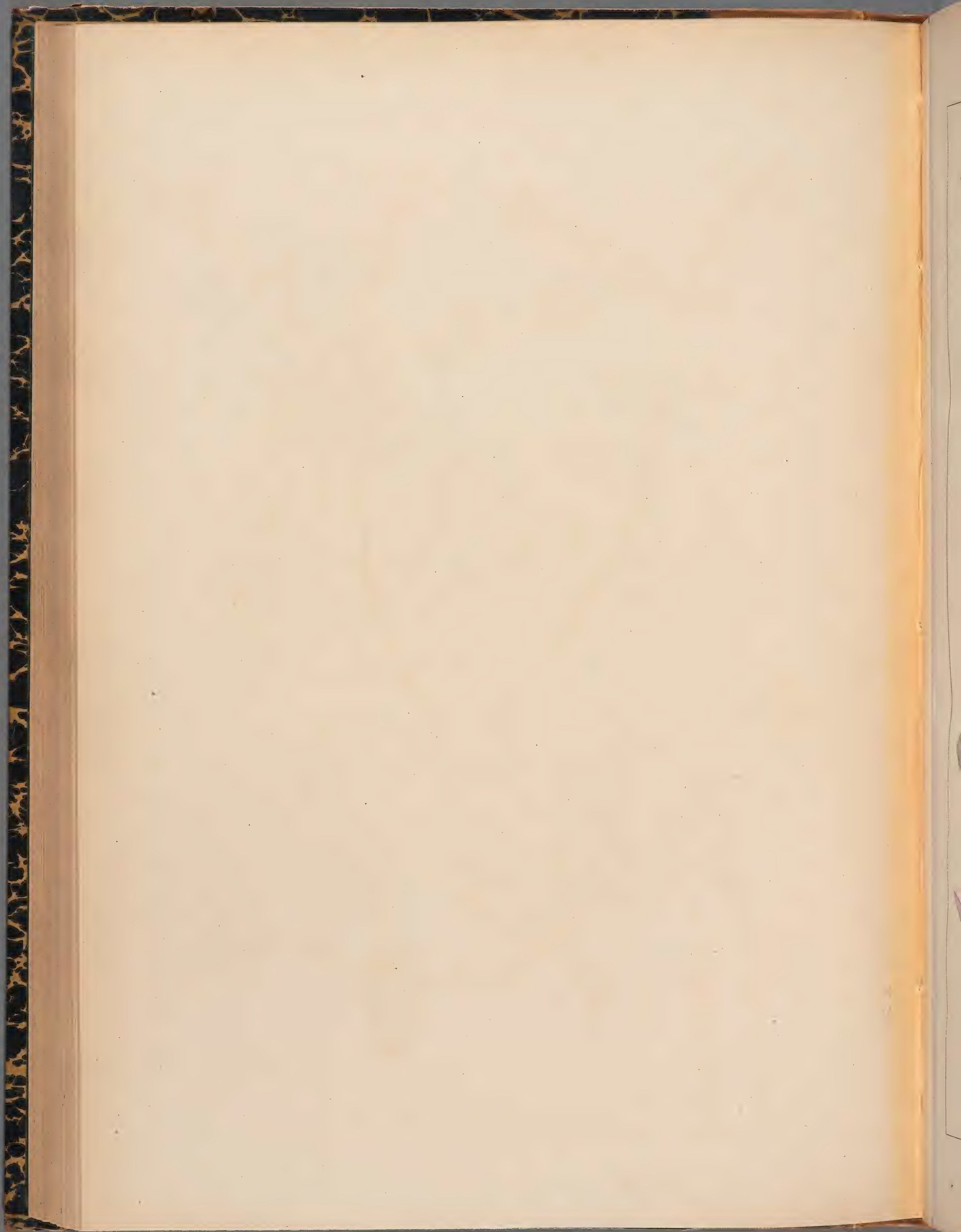






C . MUTABILIS . S<sup>T</sup> AM . 2/



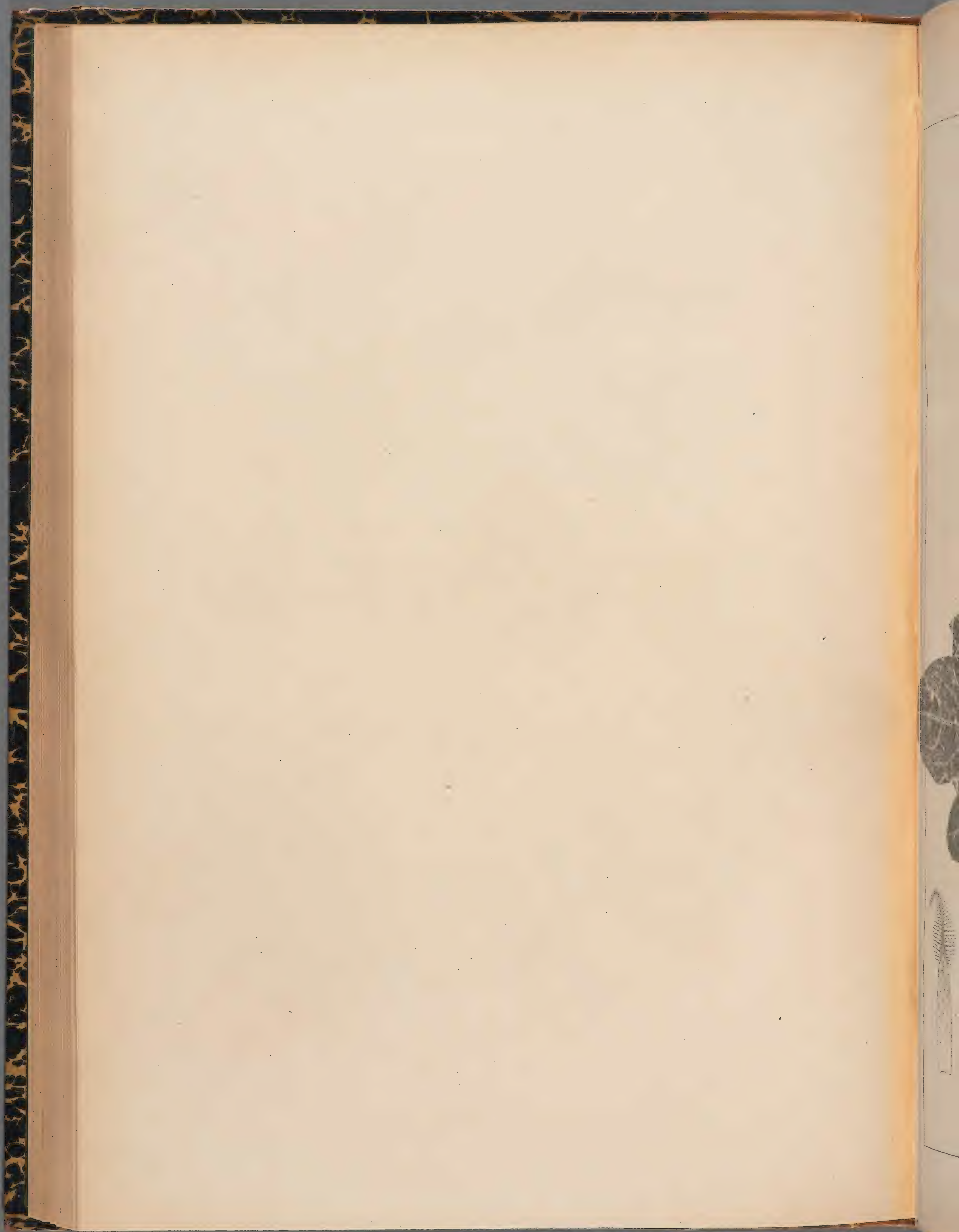






C. PROCUMBENS. BALB. 2



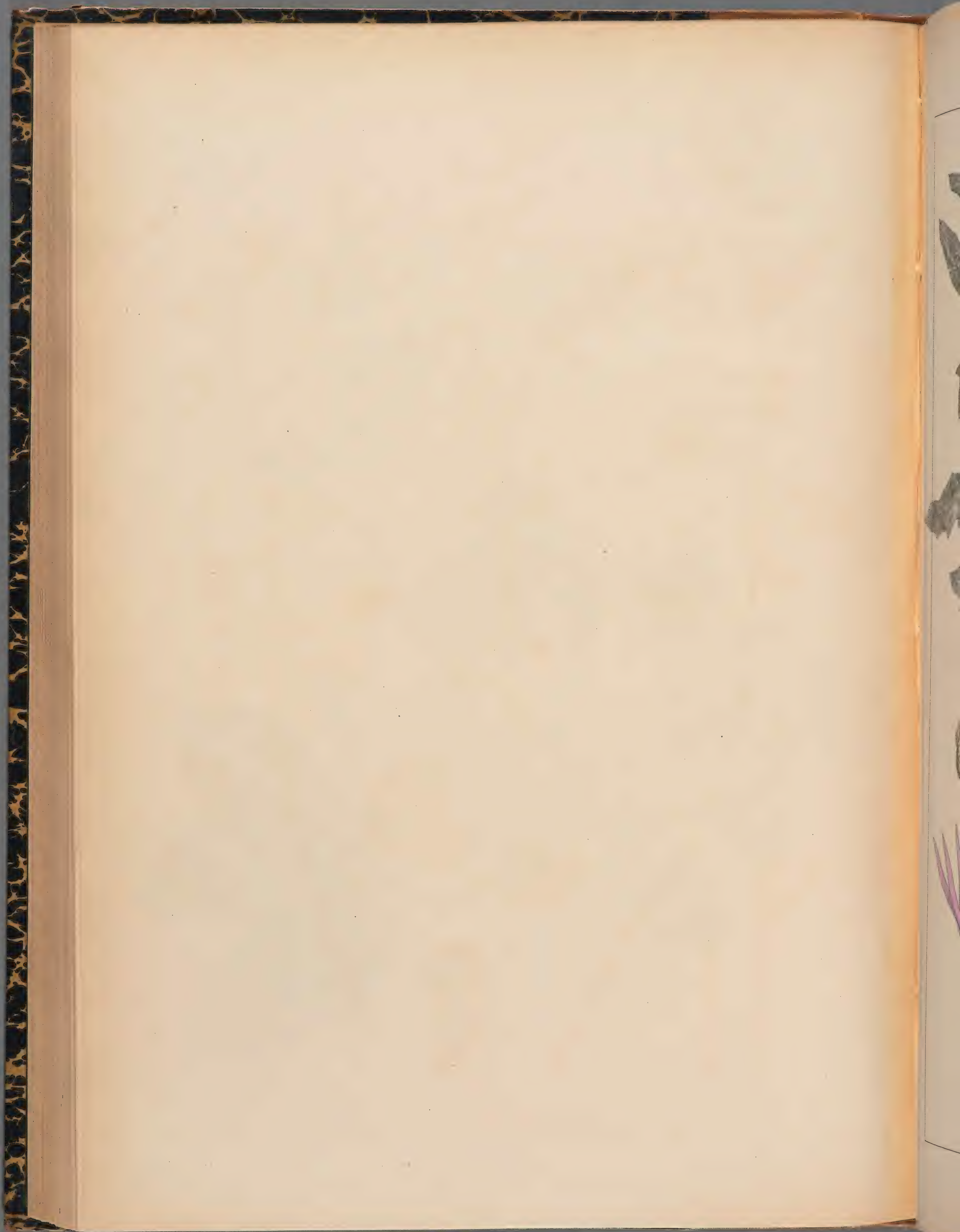






C. JORDINIANA. G. G. 27



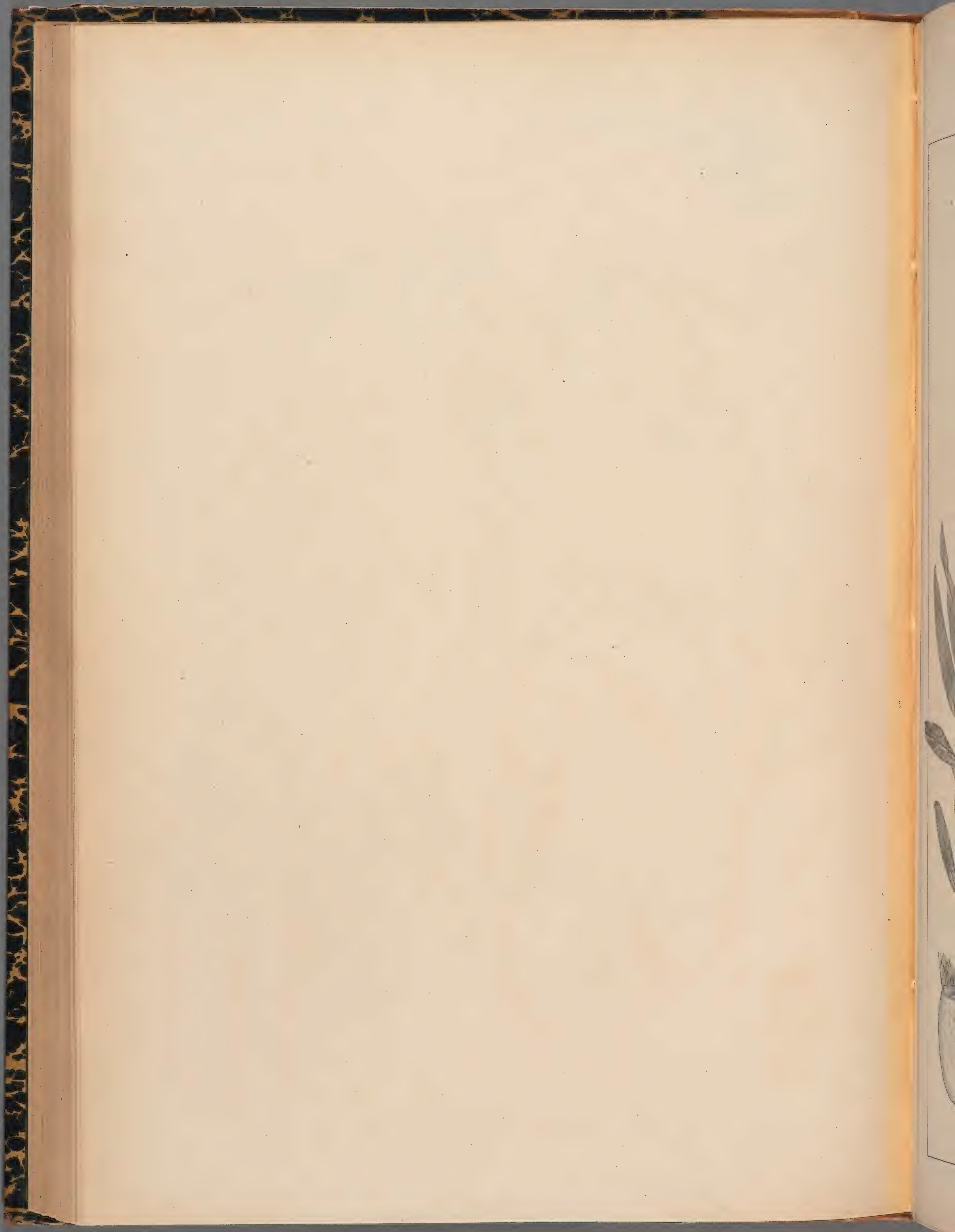






C . PECTINATA . L . ♀



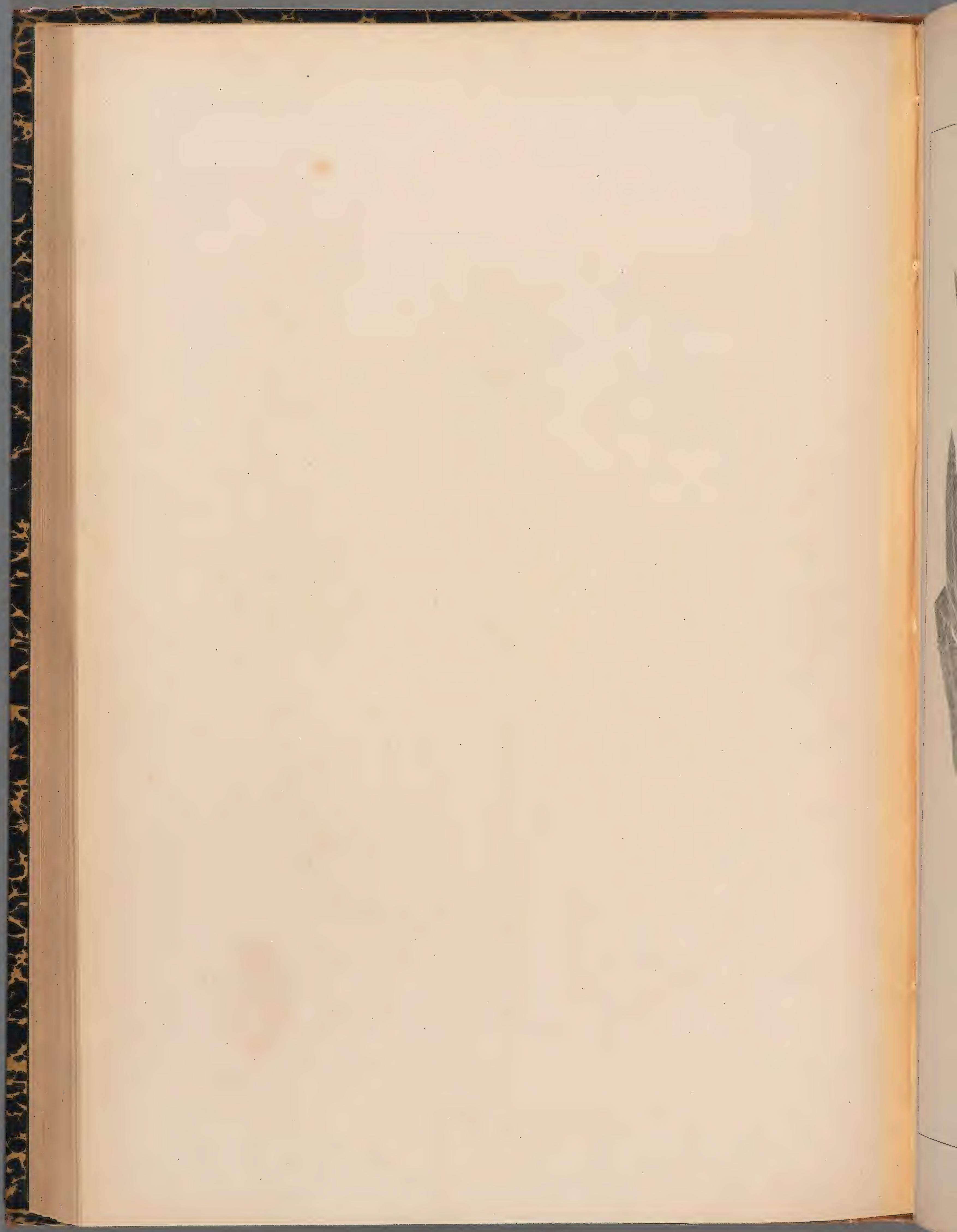






C . UNIFLORA . L . 2



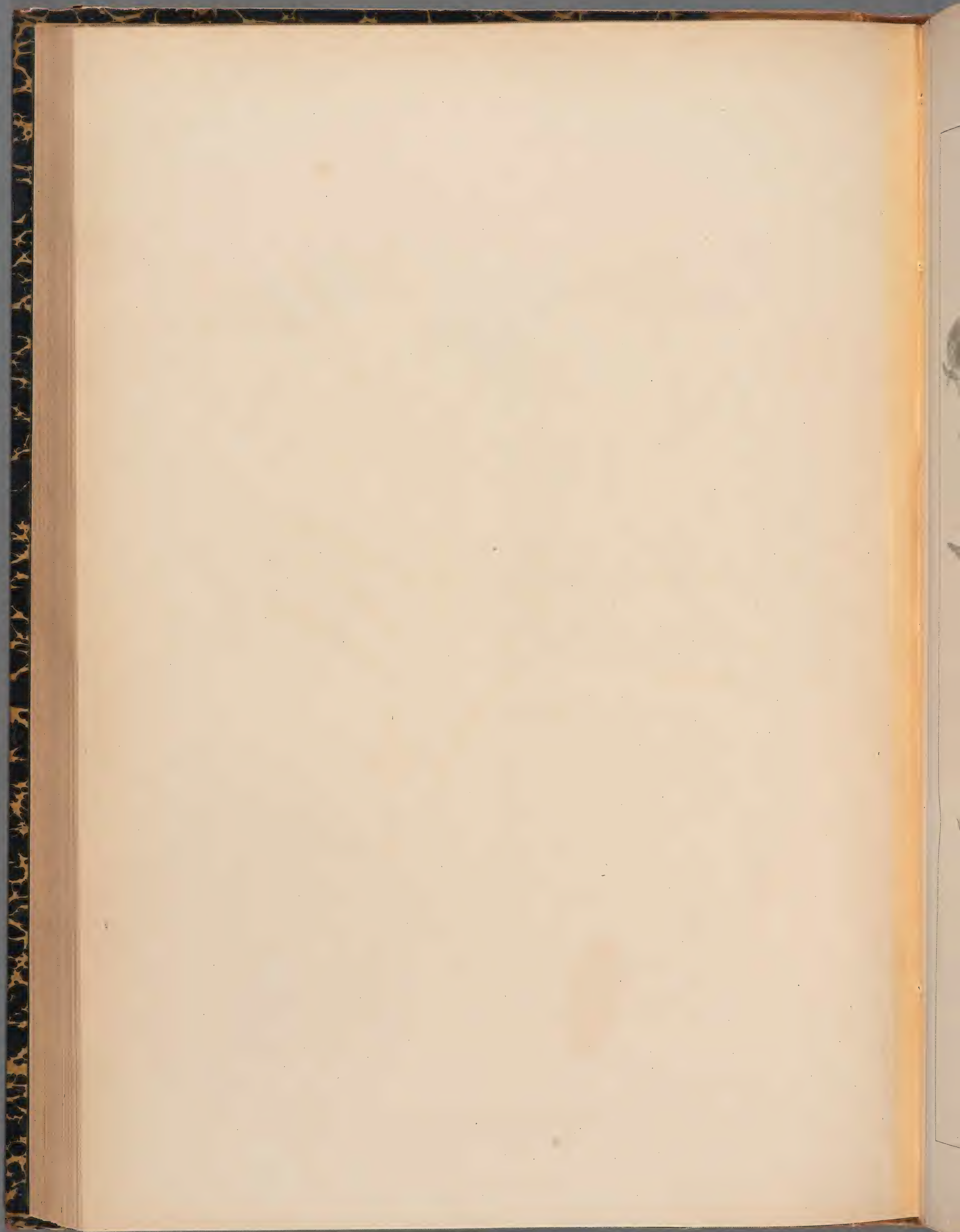






C. NERVOSA. WILLD. 2



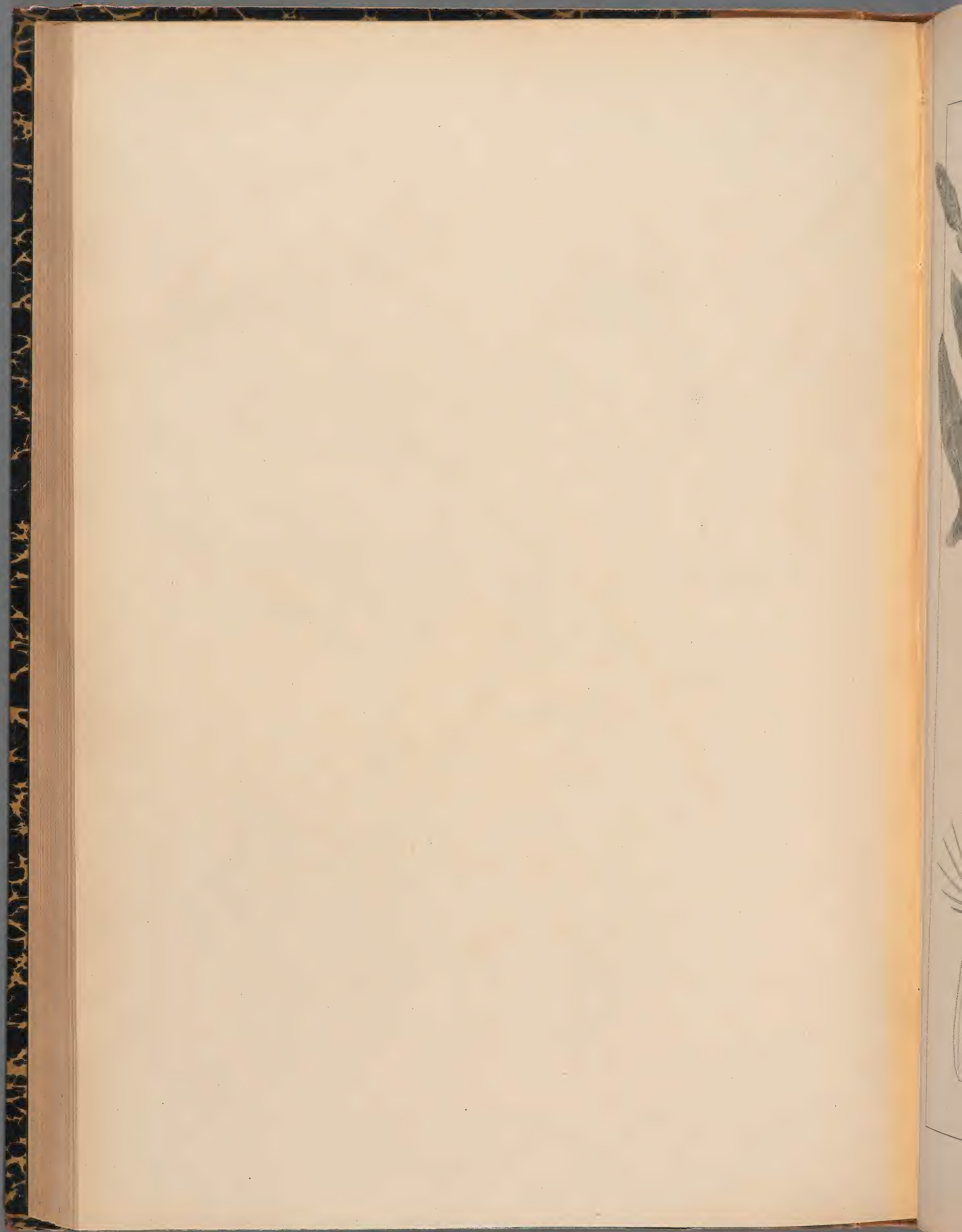






C . FERDINANDI . GR. 7



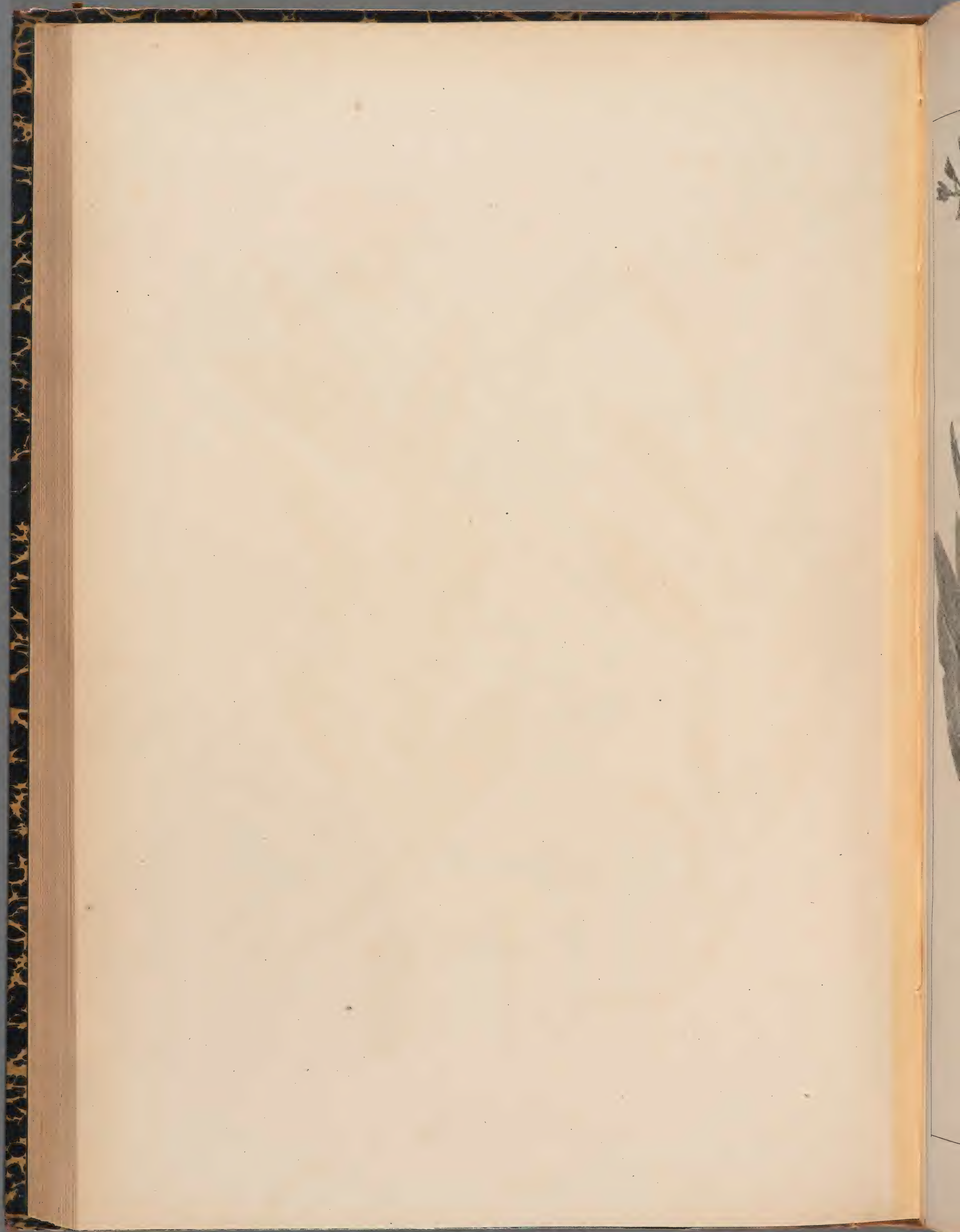






C. PULLATA. L. ②



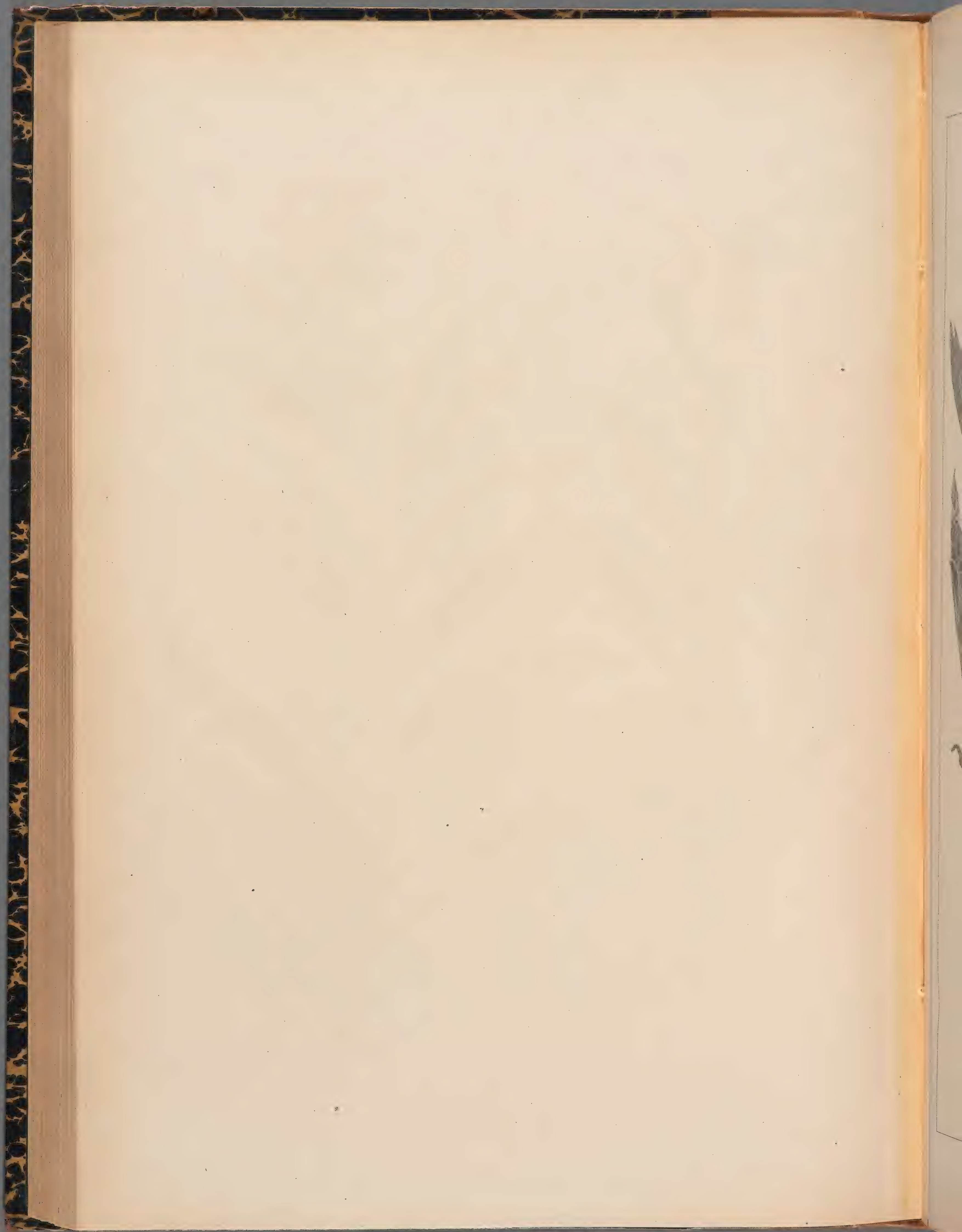






C . MONTANA . L.  $\gamma$



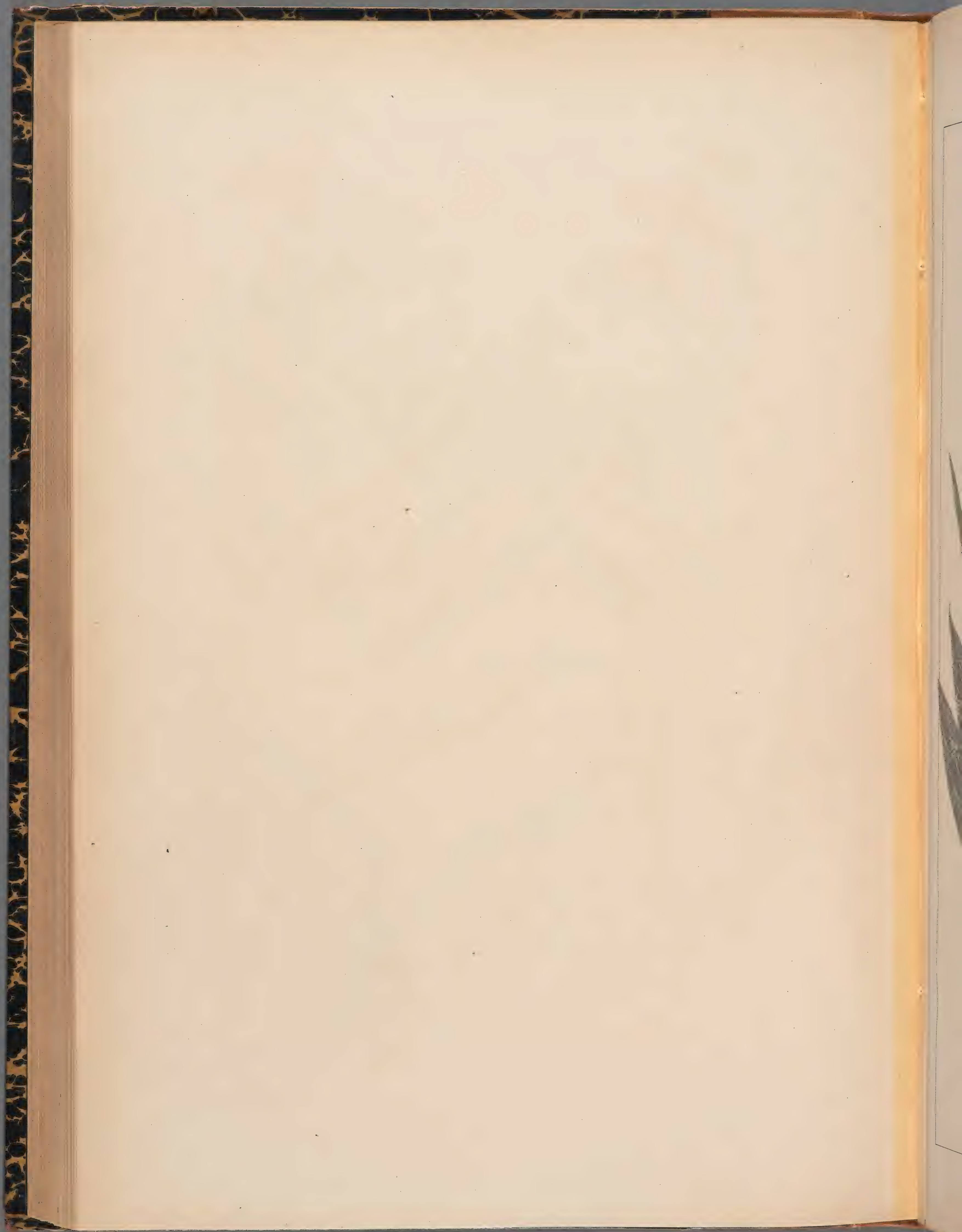






C . MONTANA . L . *Var. pyrenaica* .



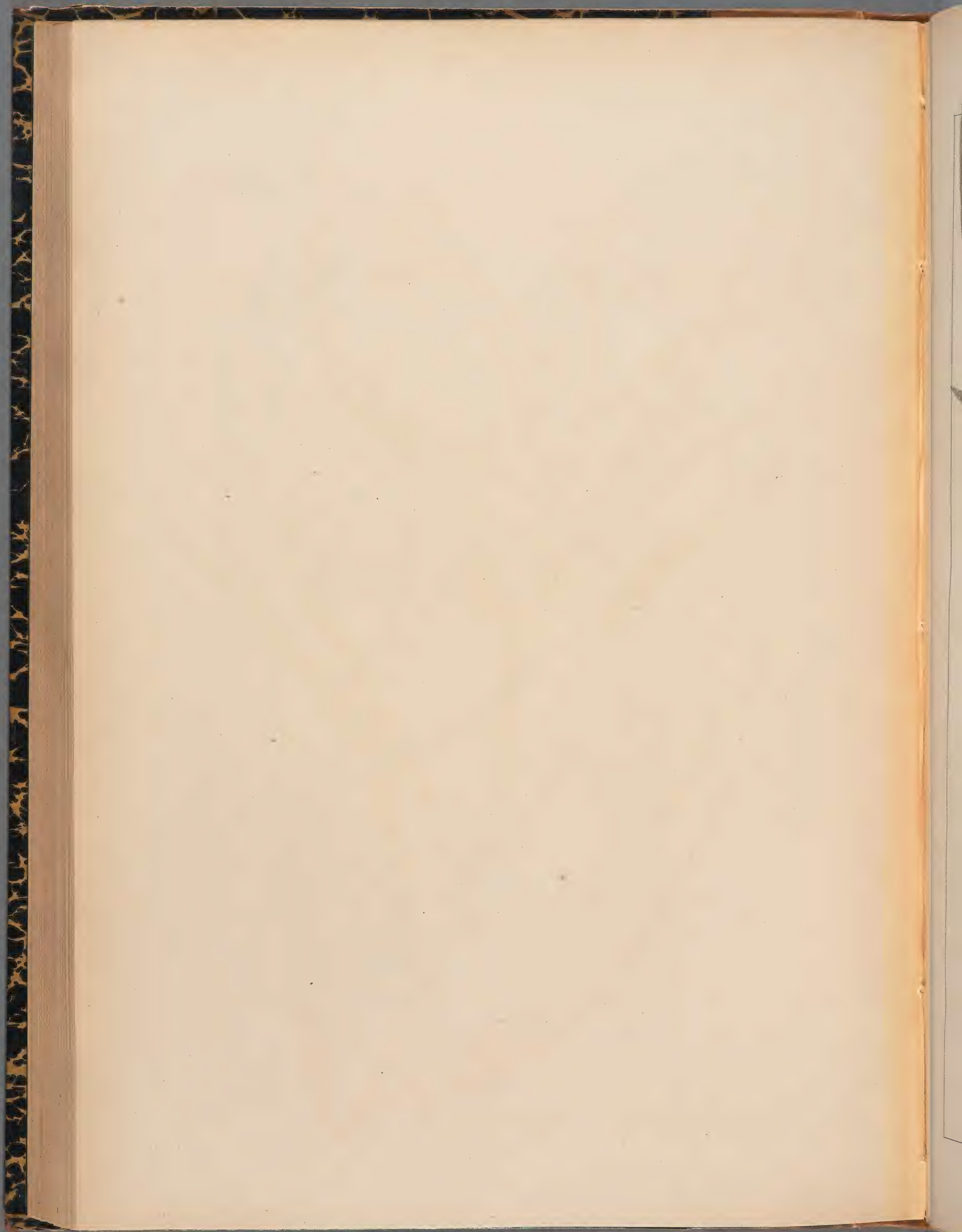






C . LUGDUNENSIS . JORD . 2/



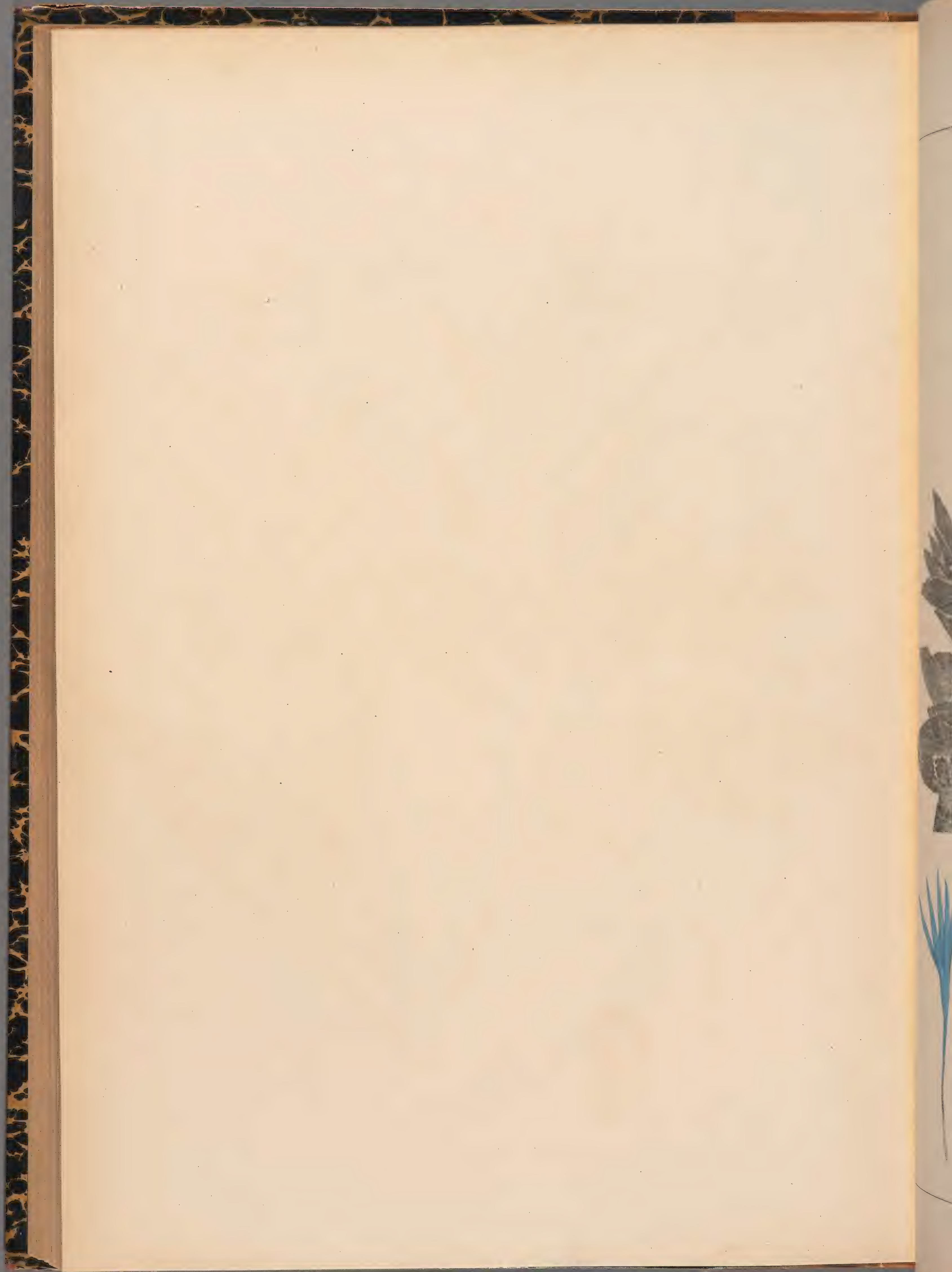






C. LUGDUNENSIS. ((C. intermedia. Car.)









C . SEMIDECURRENS . JORD . 2



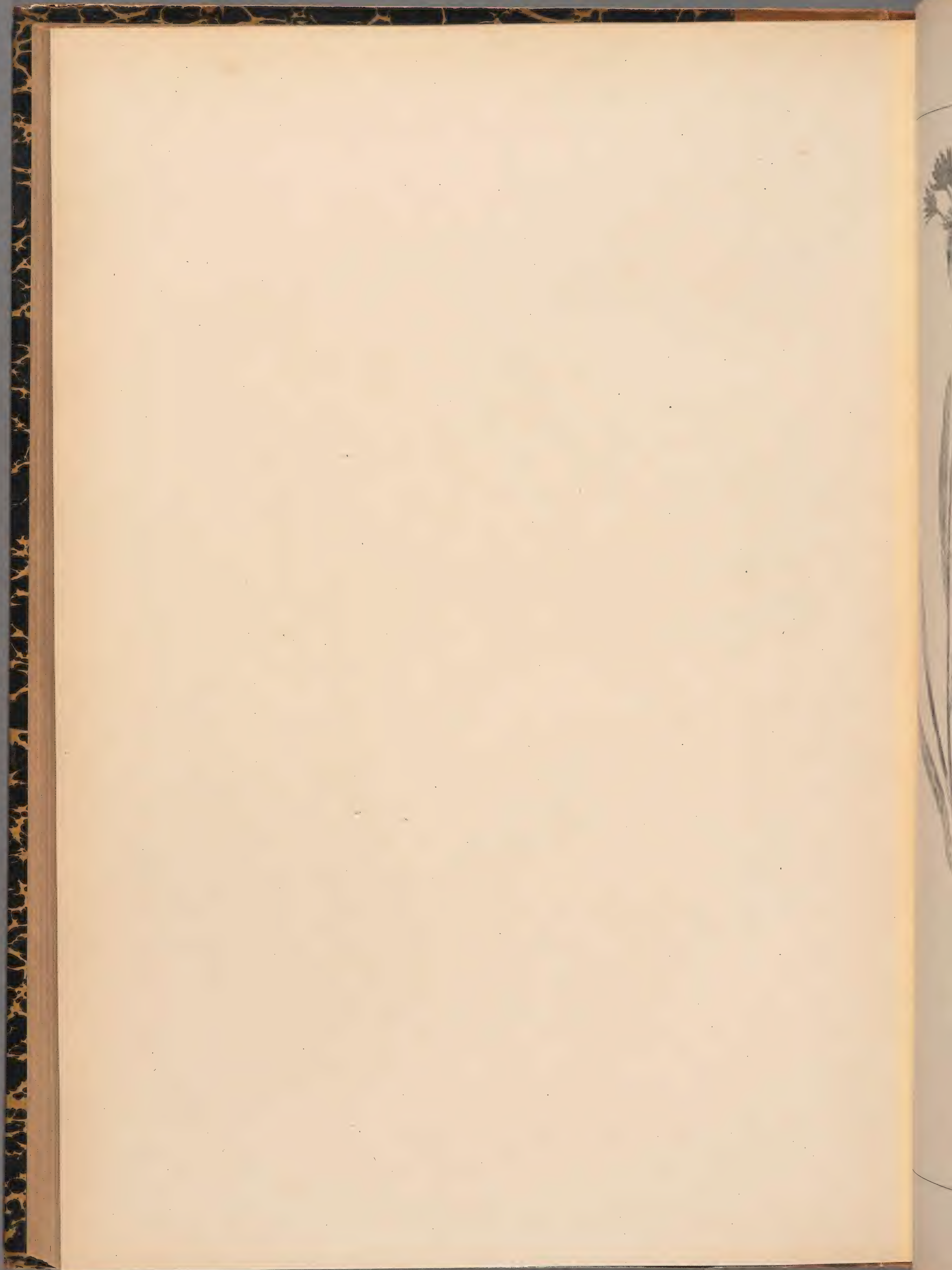






C . AXILLARIS . WILLD. ♀









C . SEUSEANA . CHAIX . 21



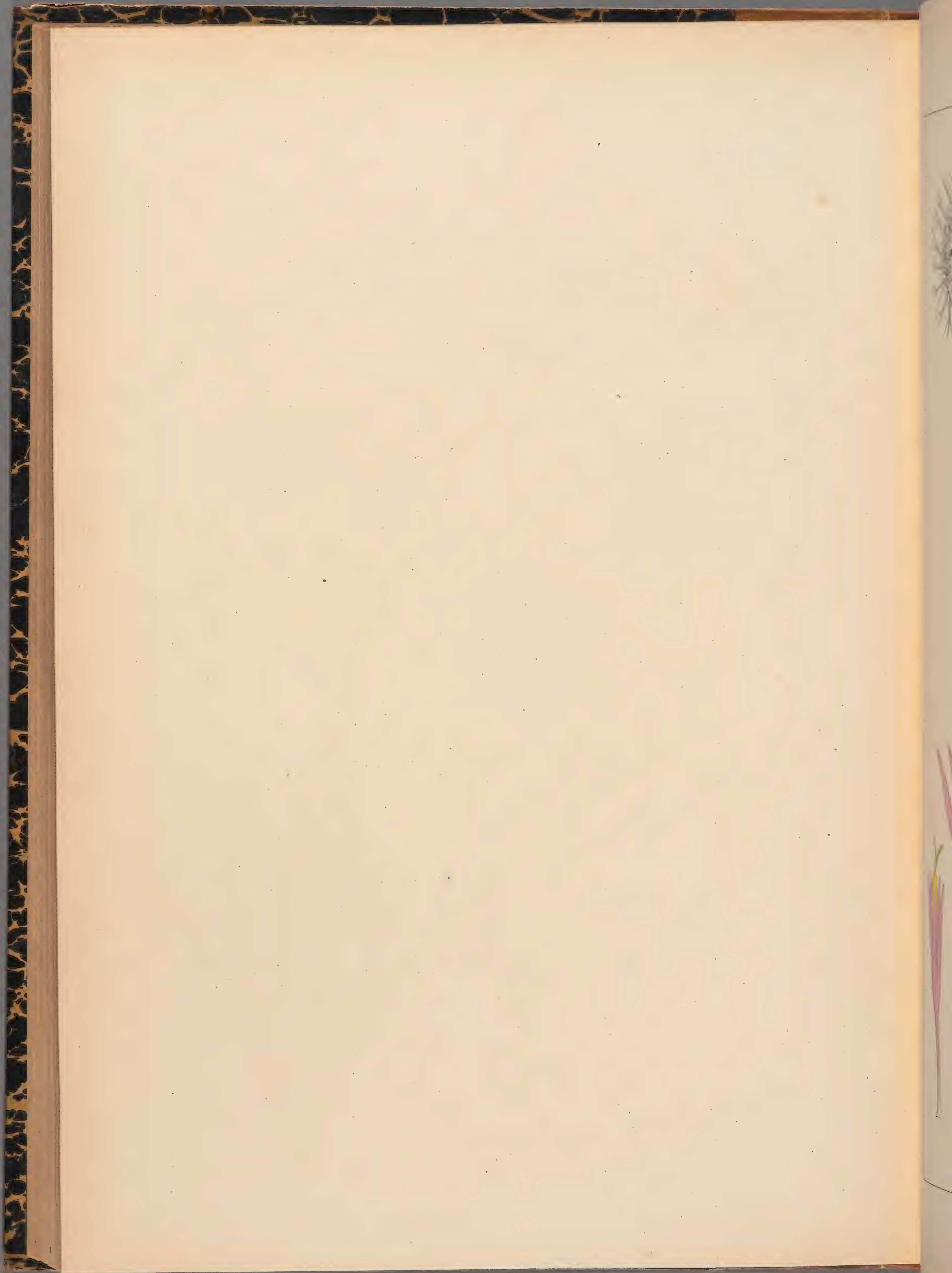






C . CYANUS . L . ②









C. CINEREA. LAMK. ♀



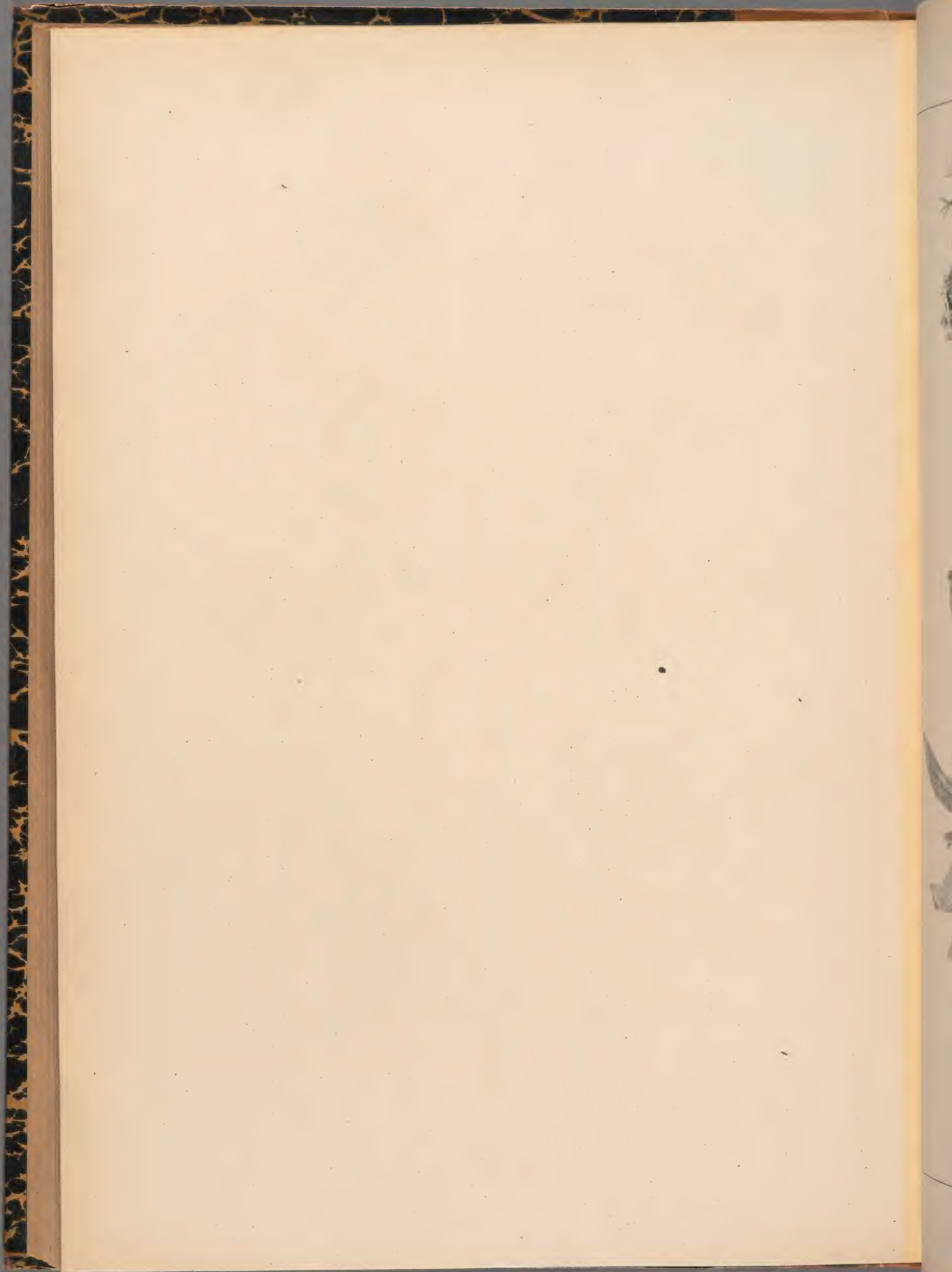






C. SCABIOSA. L. 2



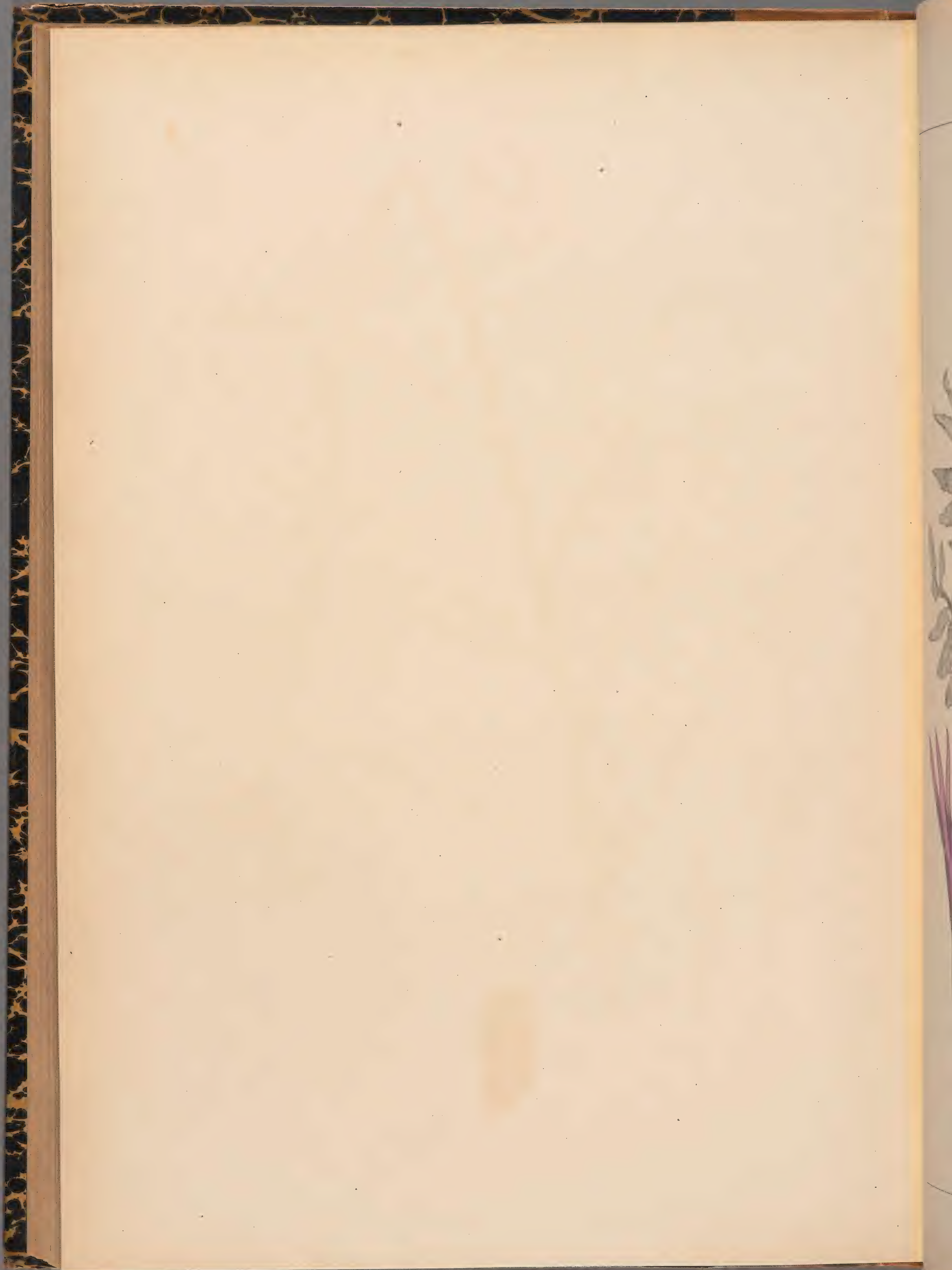






C. CALCAREA . JORD. ♀



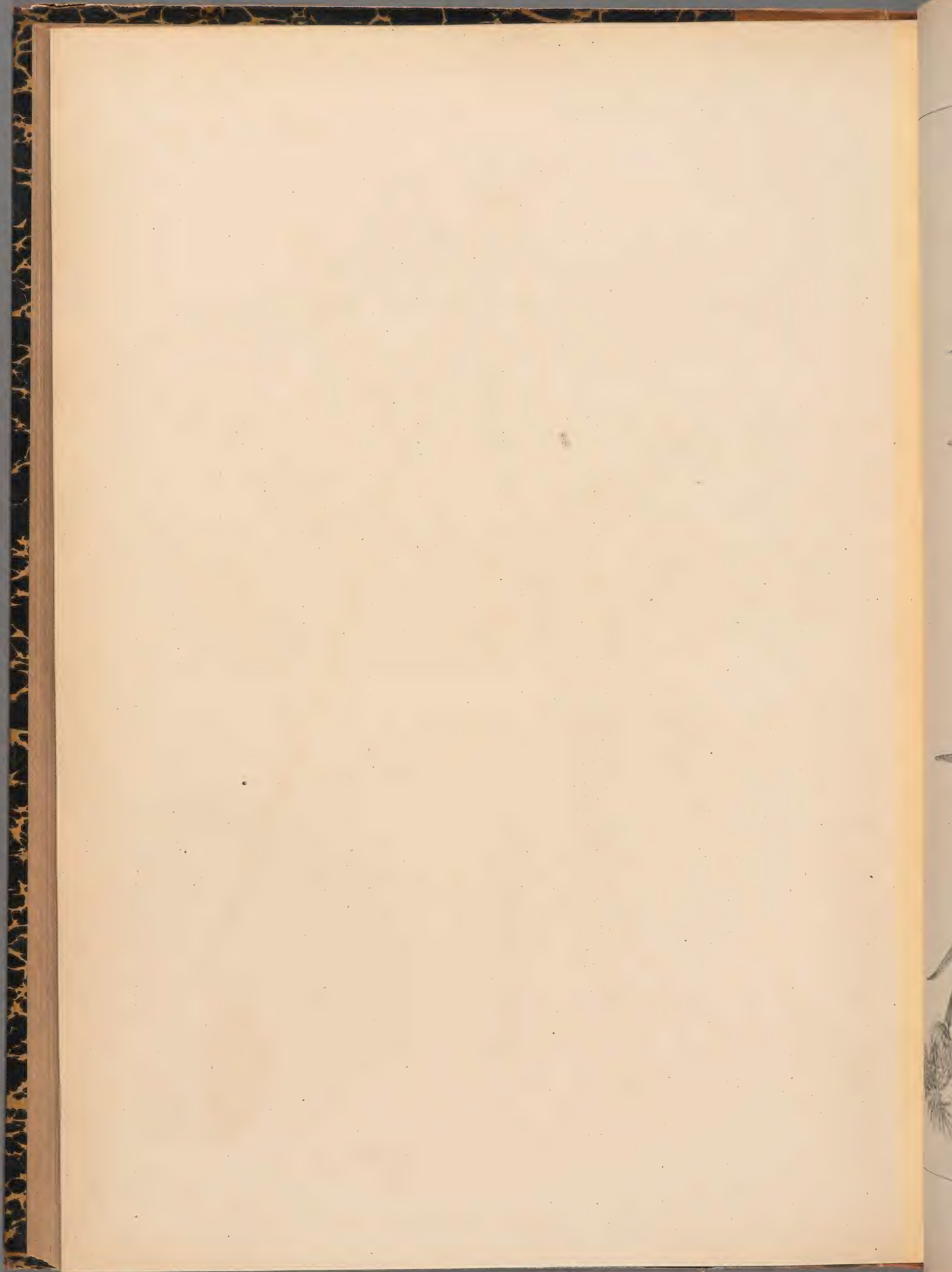






C. KOTSCHYANA. HOFF. 2









C. SEMPERVIRENS. L. 5

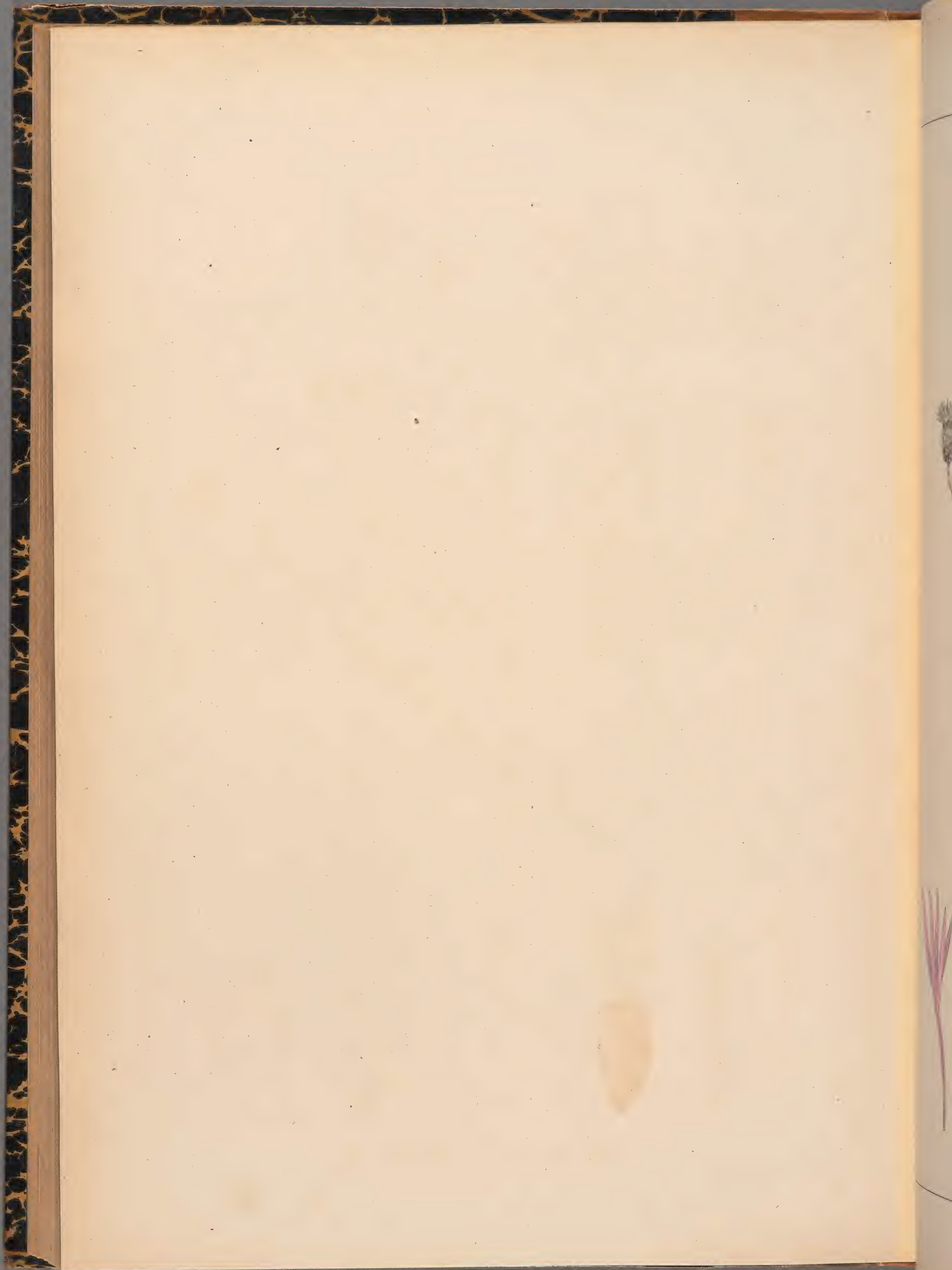










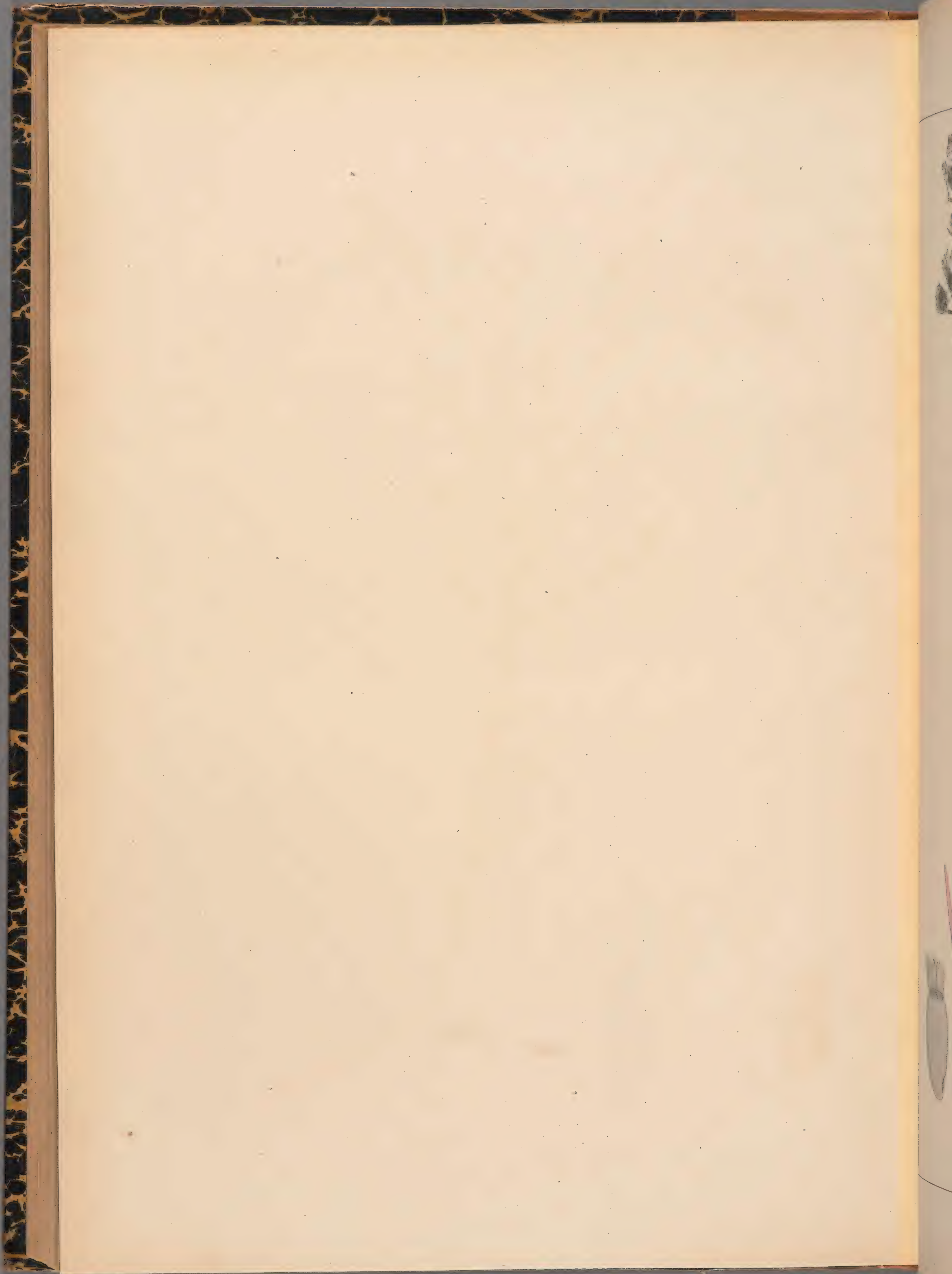






C. CORYMBOSA. POURR. (2)



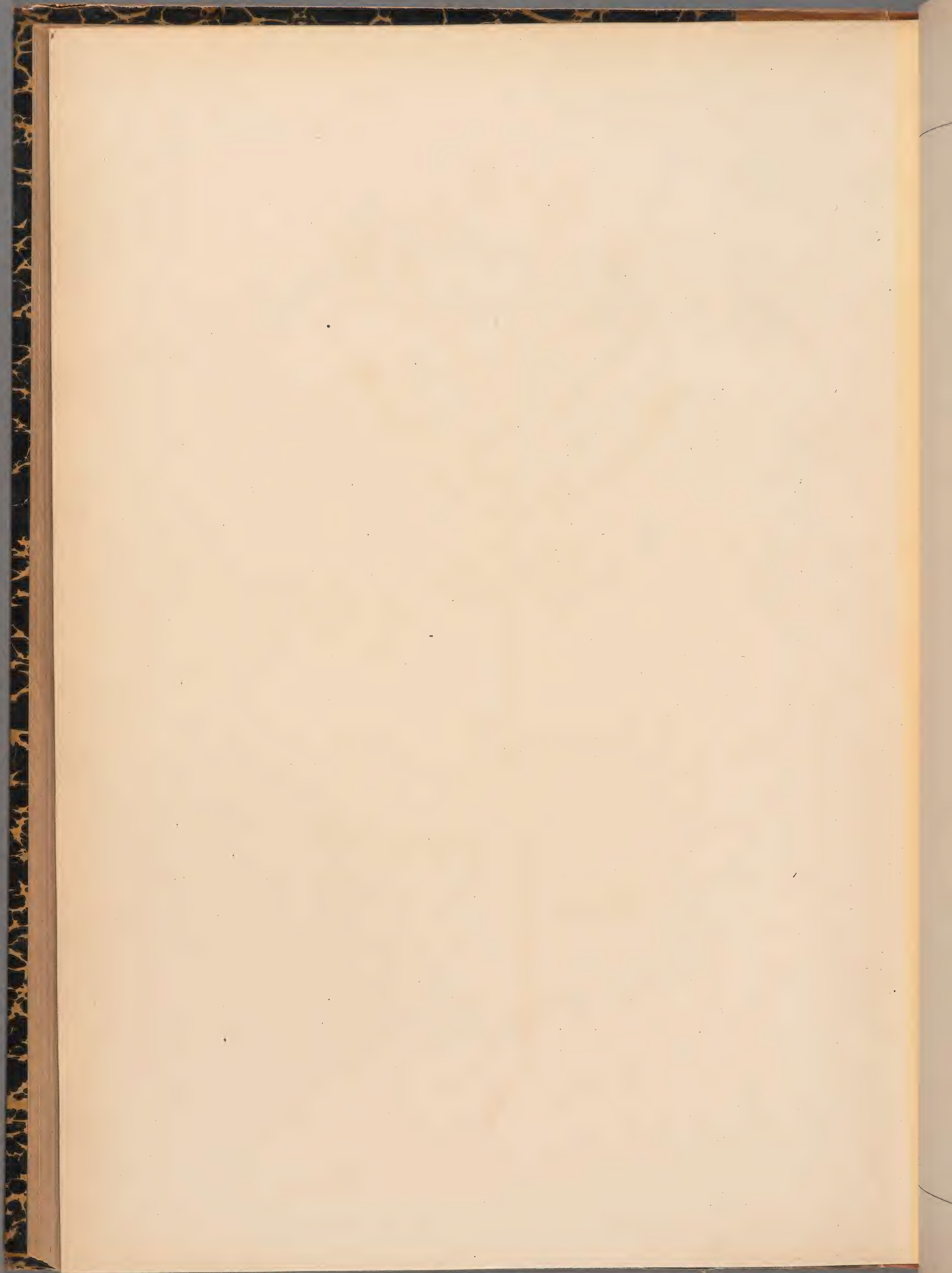






*C. MACULOSA*. LAMK. ②







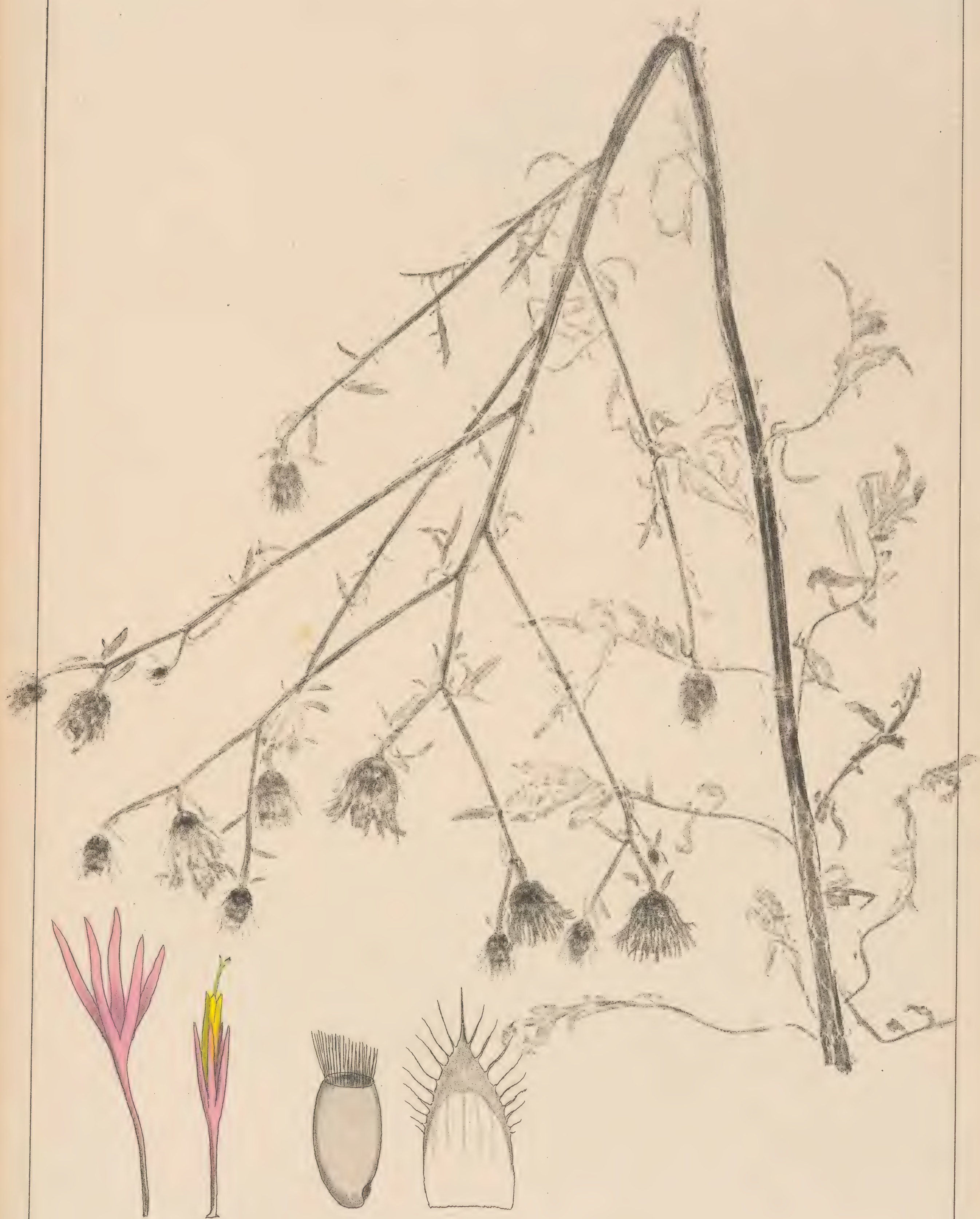


C. MACULOSA (C. tenuisecta, Jod.) ②









C. CAERULESCENS. WILLD. ②



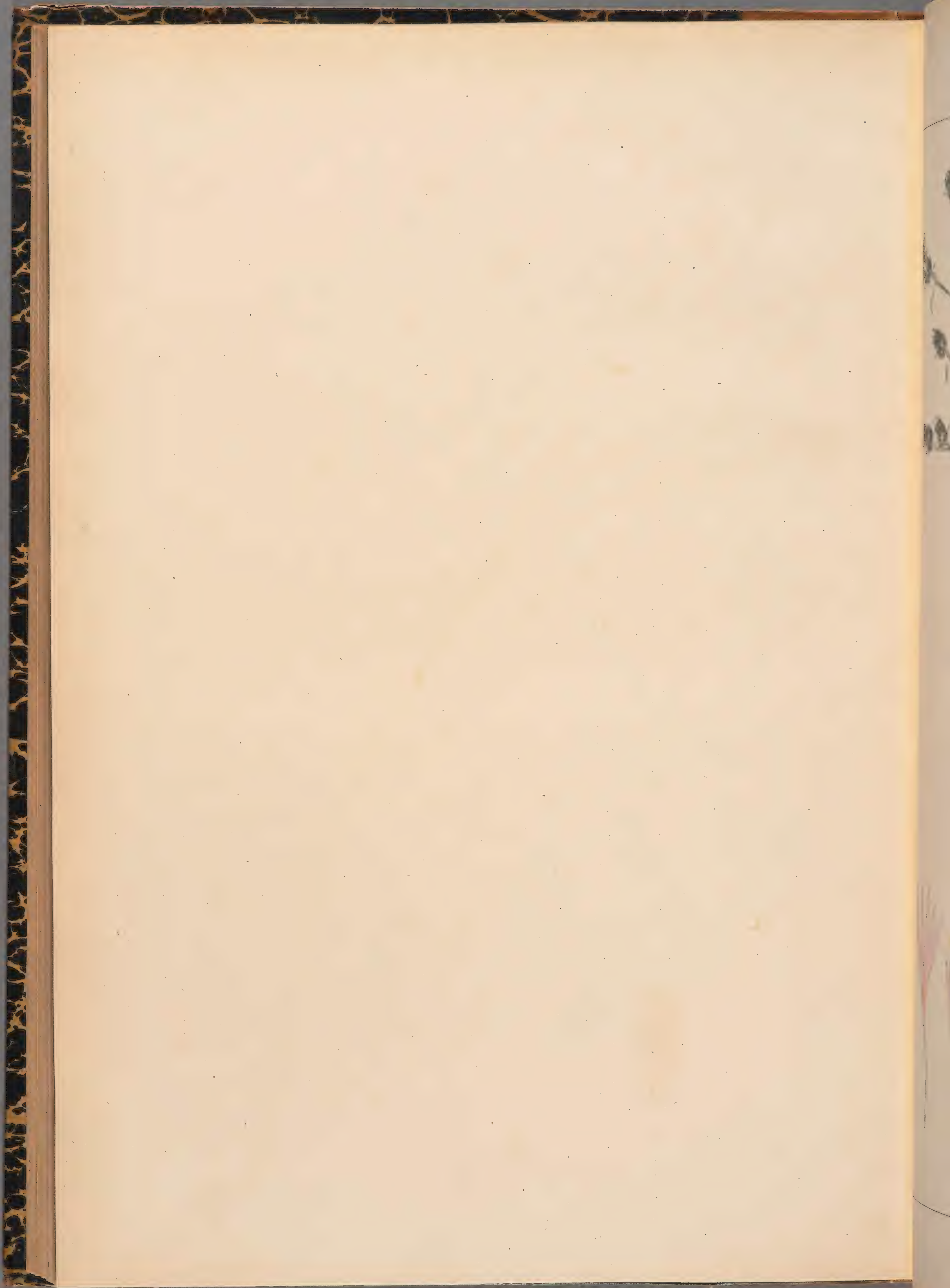






C. HANRUI. JORD. ② 2









*C. LEUCOPHÆA* . JORD. ②









C. PANICULATA. L. (2)









C. RIGIDULA. JORD. ② 4



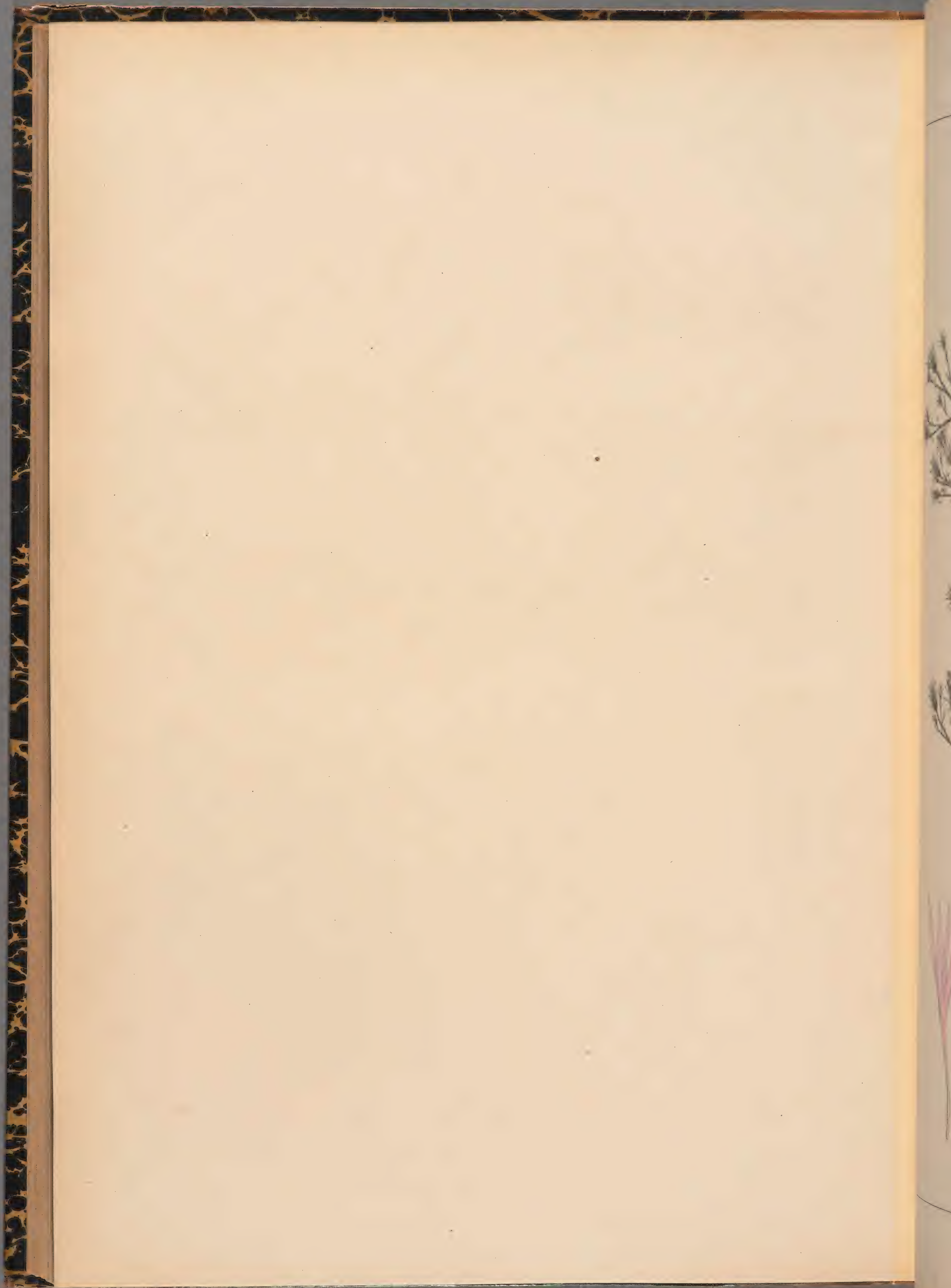






C. POLYCEPHALA. JORD. ②









*C. DIFFUSA* LAMK. ②









C. COLLINA. L. ♀

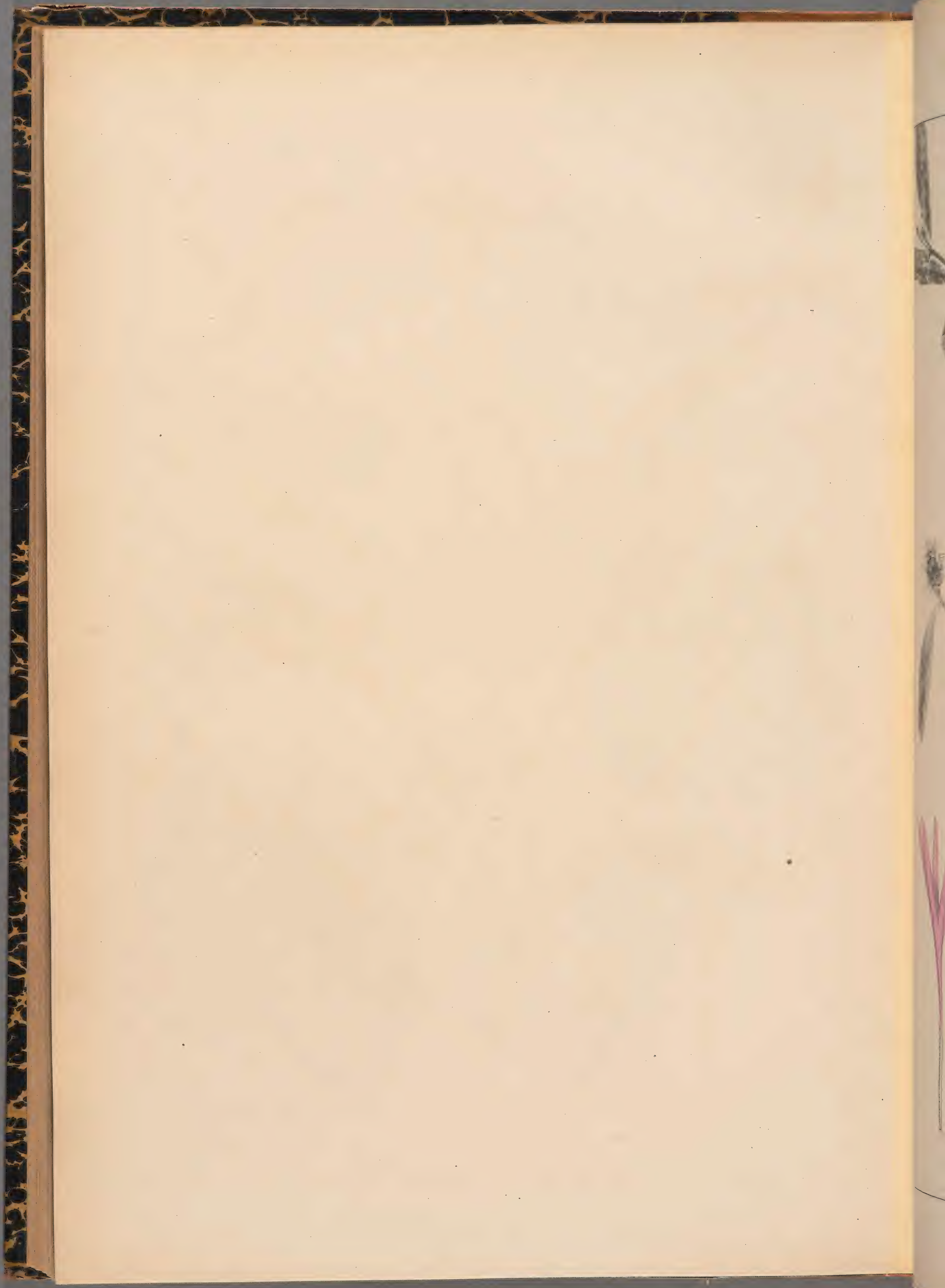










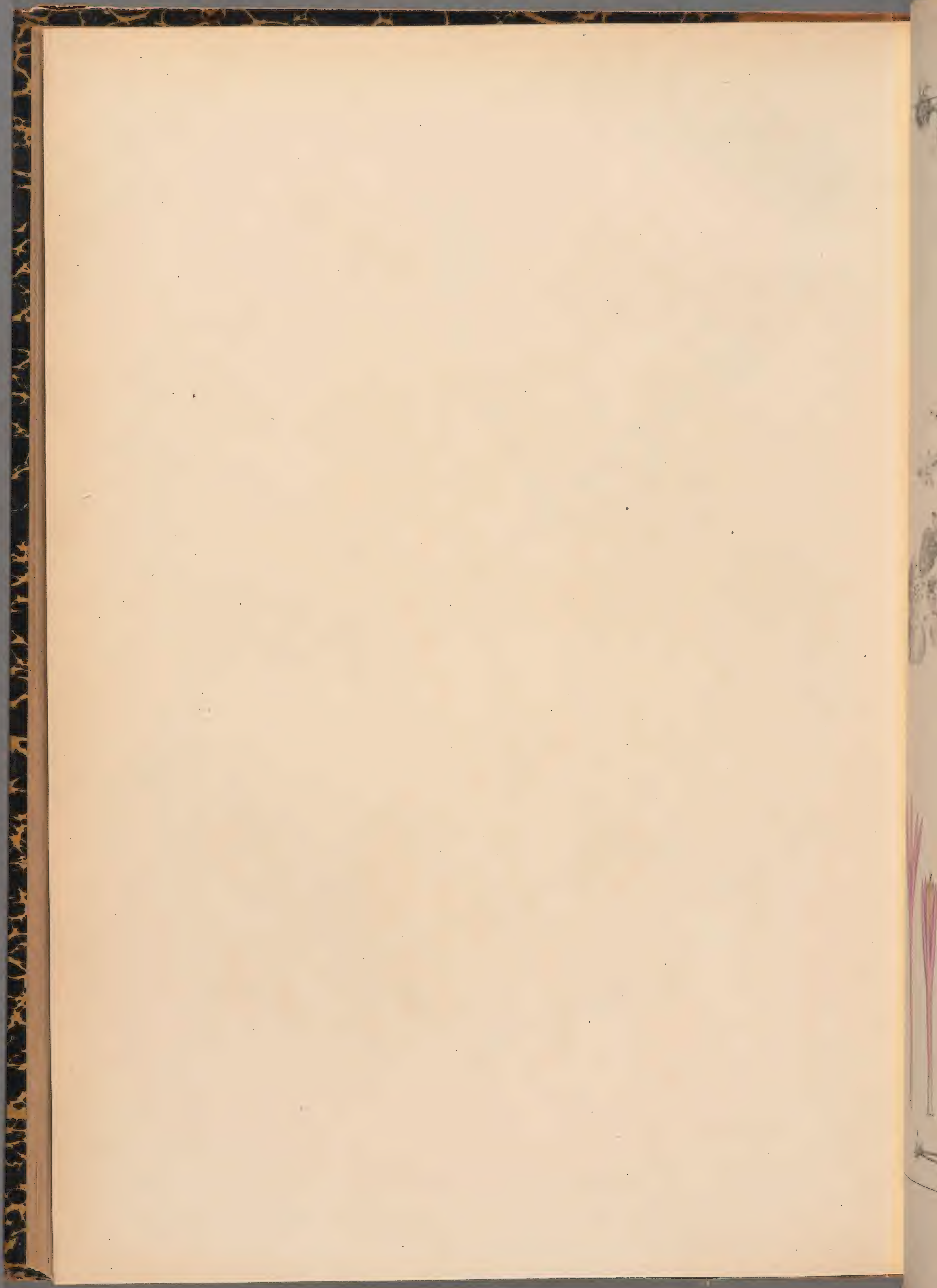






C . SONCHIFOLIA . L . ♀



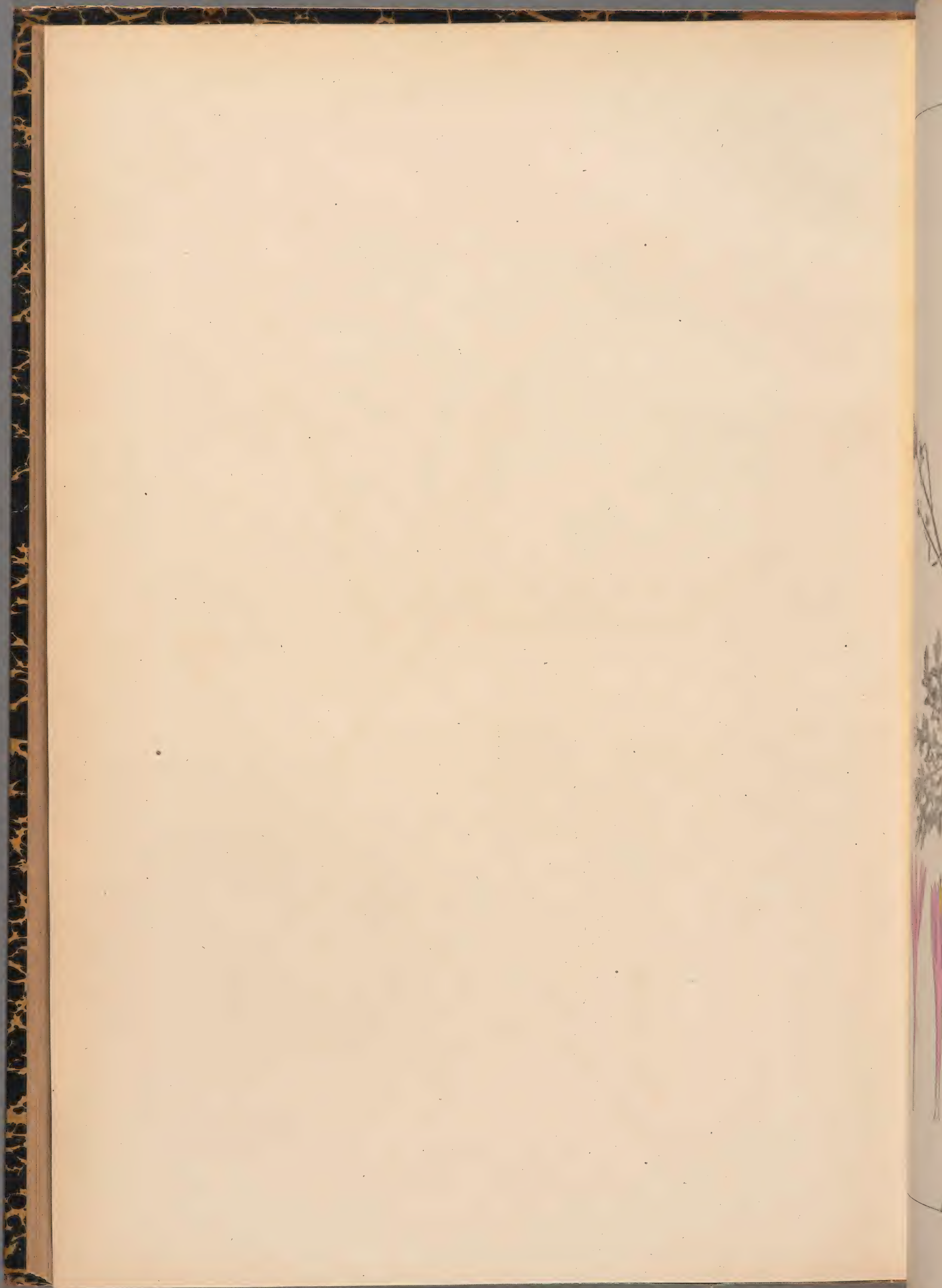






*C. SPHÆROCEPHALA*. L. 2

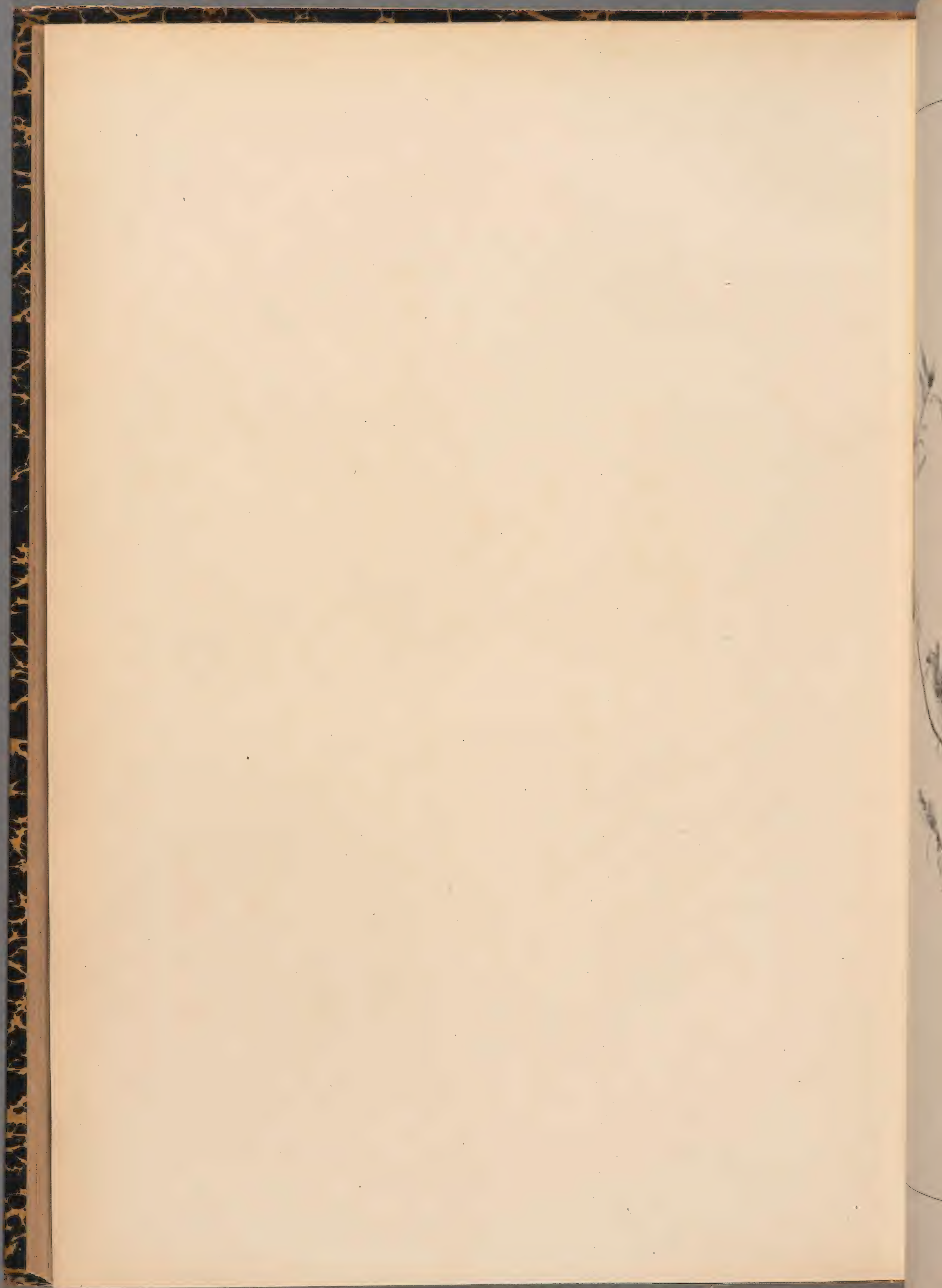
















C. ASPERO-CALCITRAPA. G. G. ②



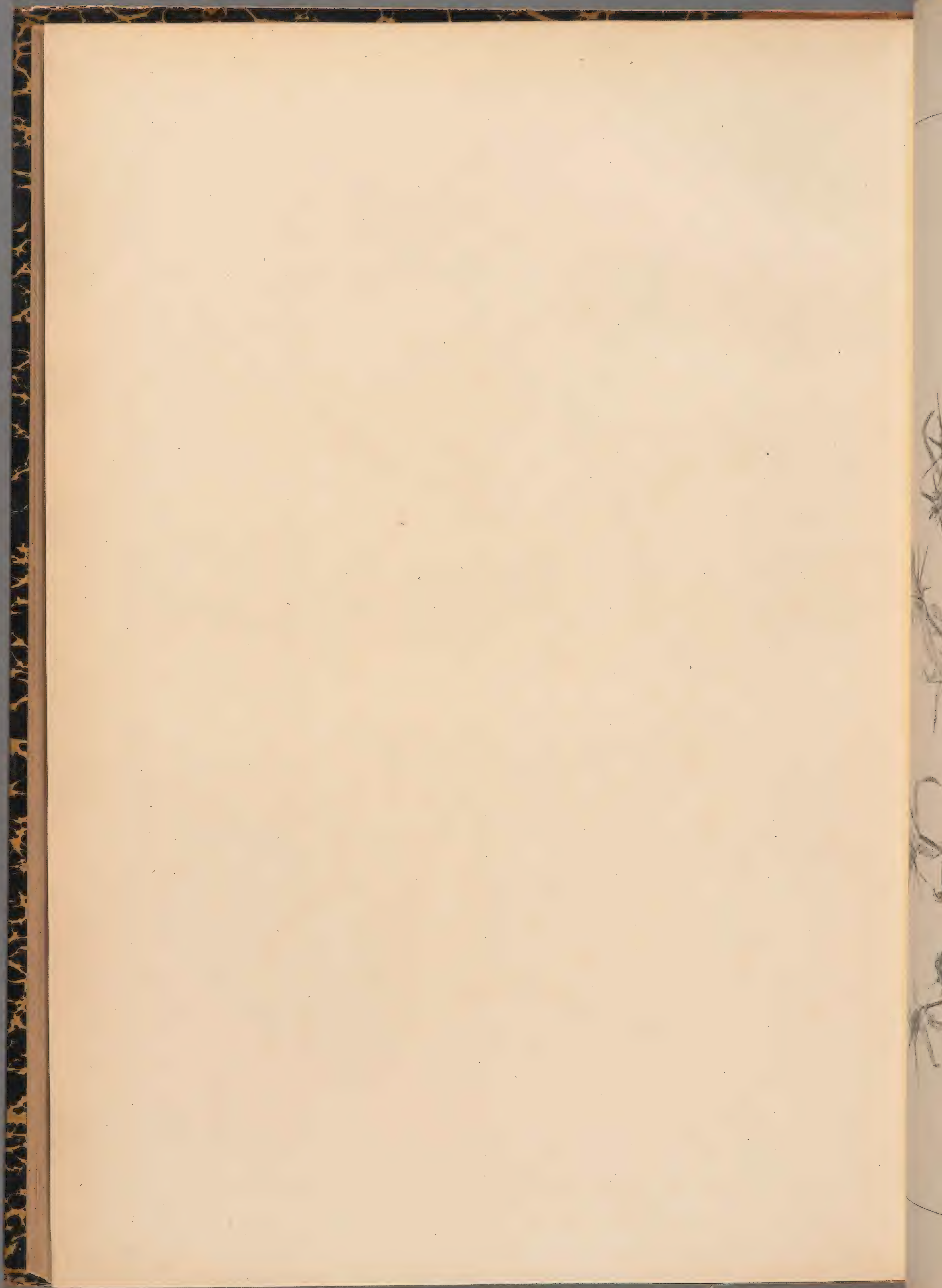






*C. calcitrapo-aspera*. G. G. ②









C . CALCITRAPA L . ②





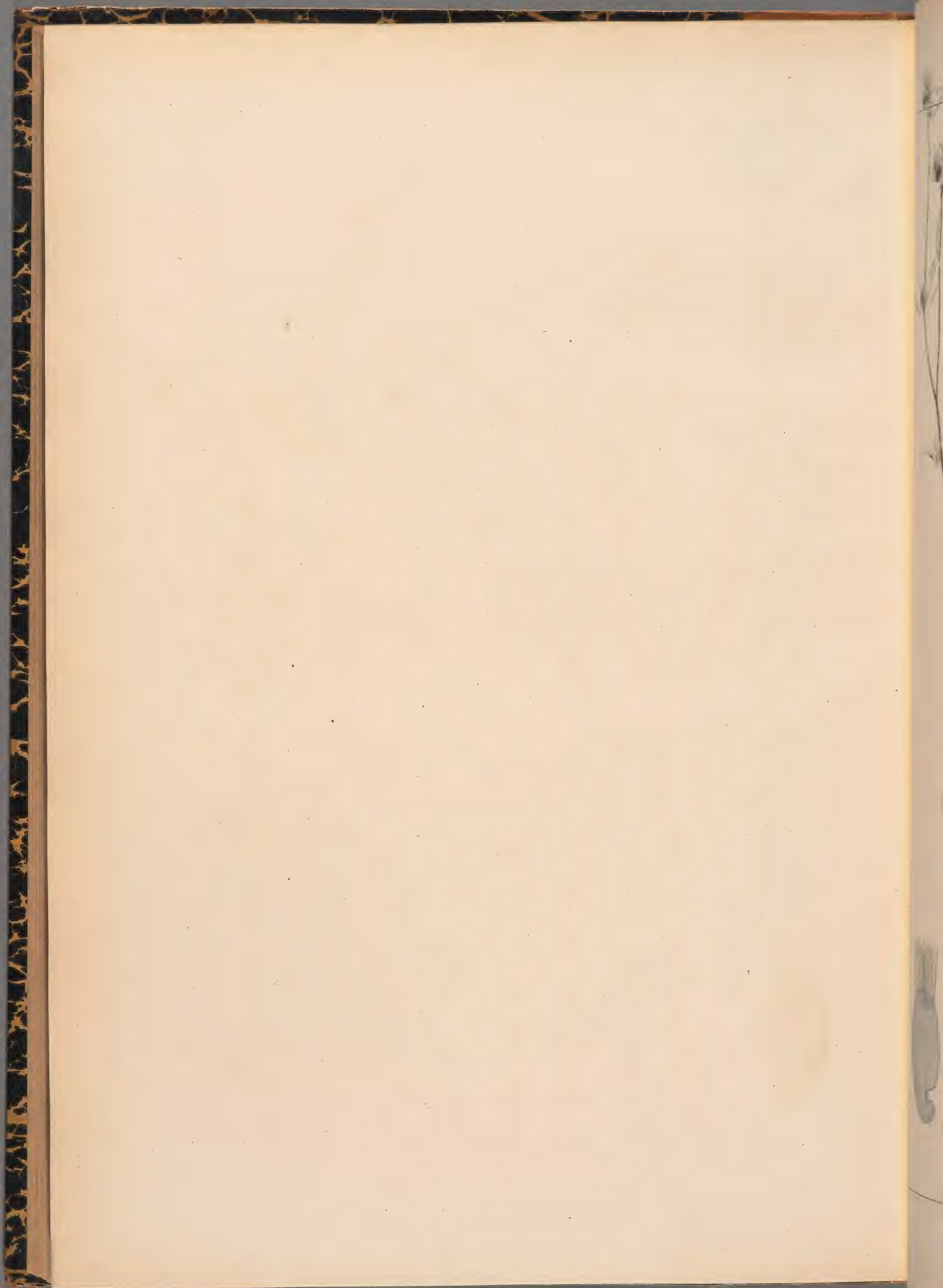


11367 (part) *galeata*  
(*galeata*)



C. TRICHACANTHA. D. C. ②



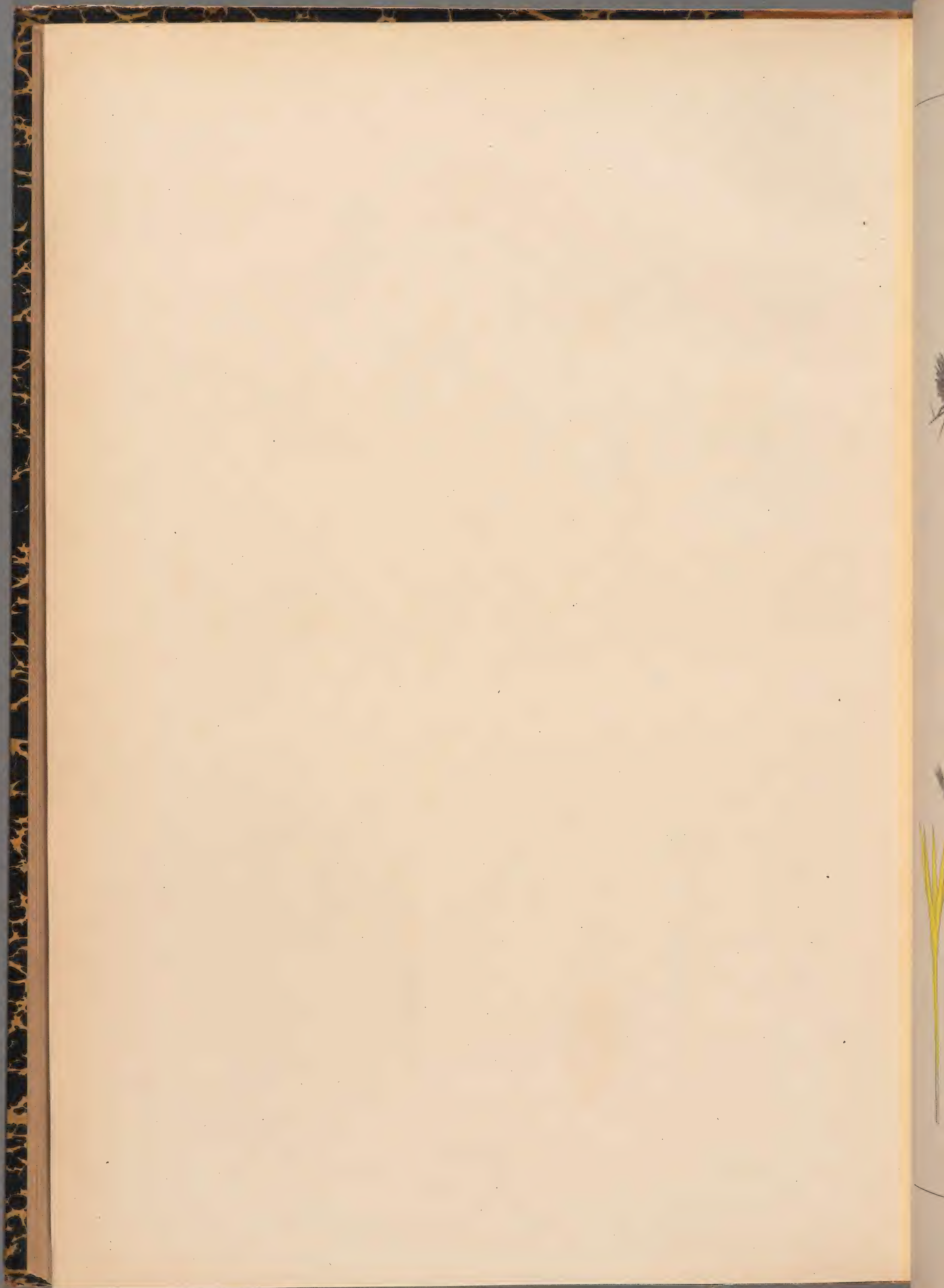






C . MELITENSIS . L . ④

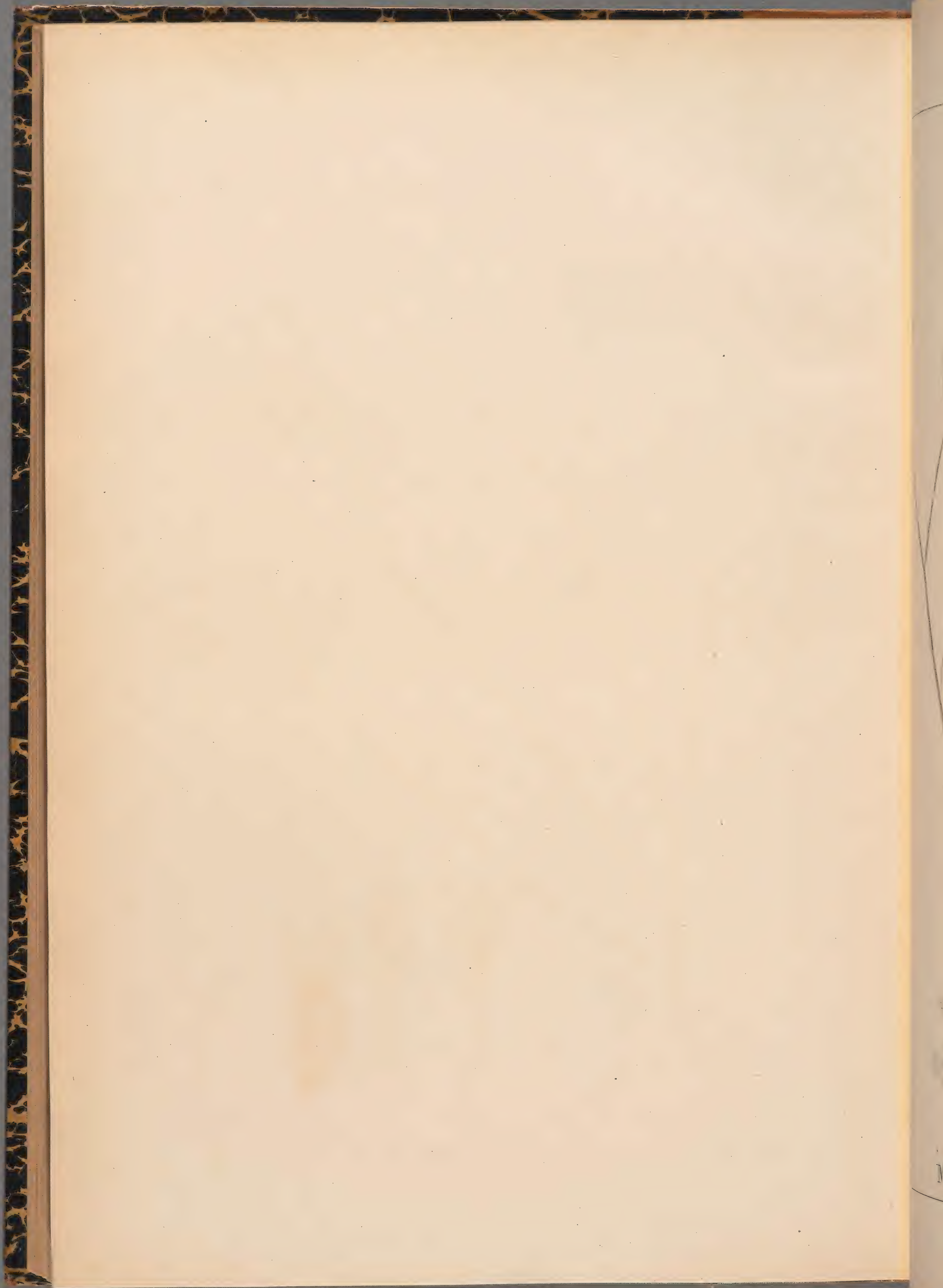










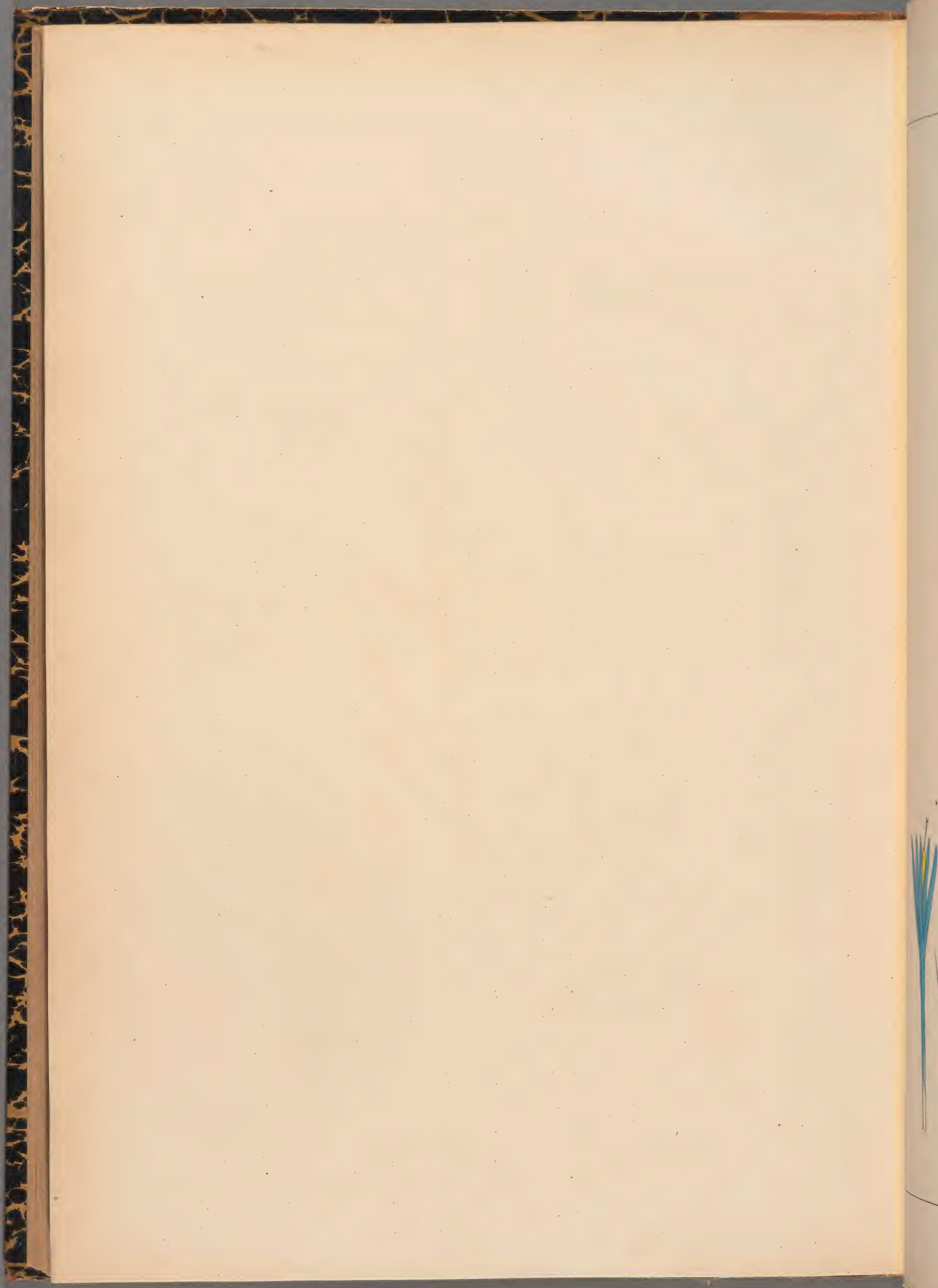






MICROLONCHUS SALMANTICUS D.C. ② 2



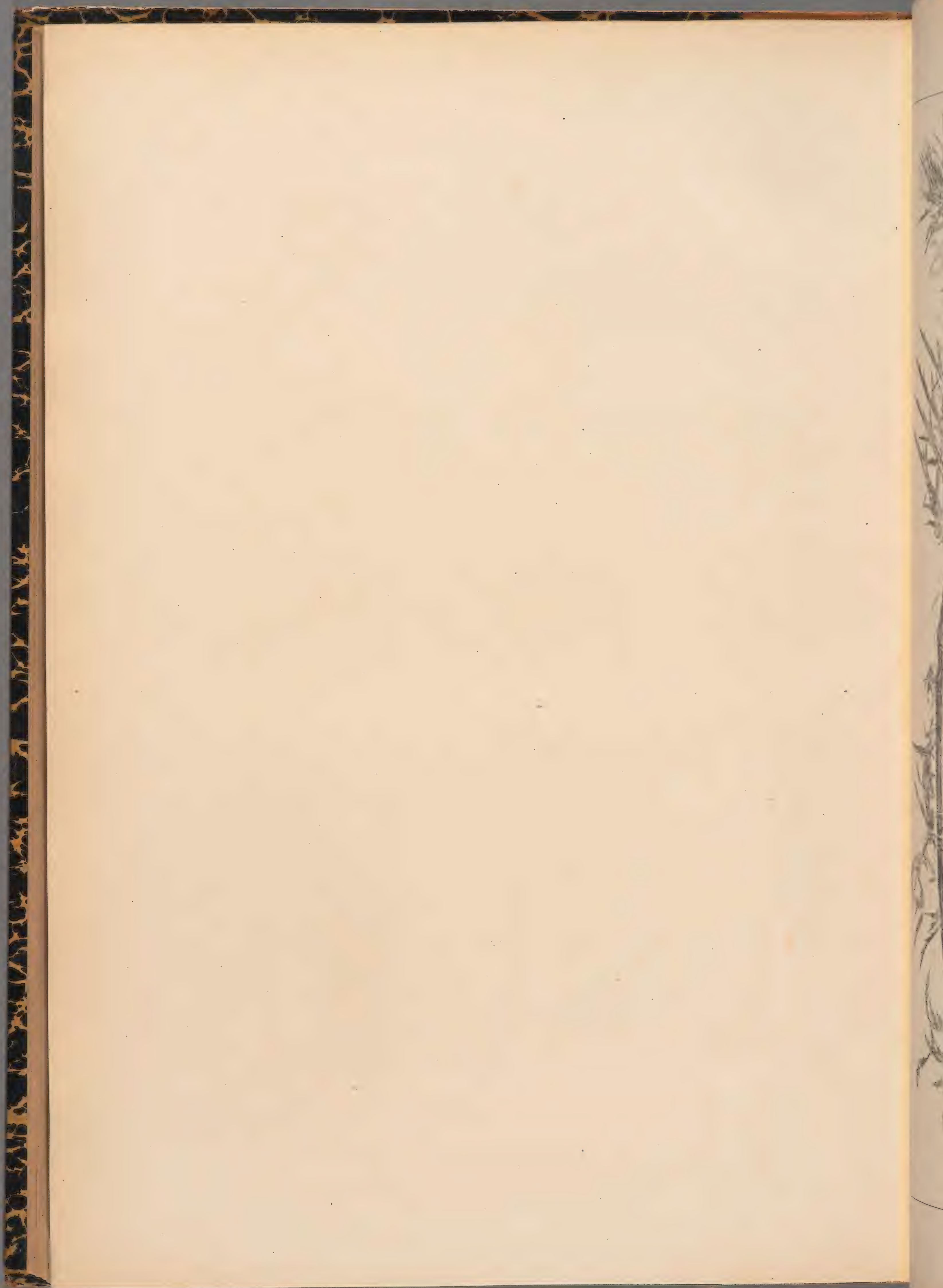






KENTROPHYLLUM CÆRULEUM. G. G. 27









K. LANATUM. D. C. ①



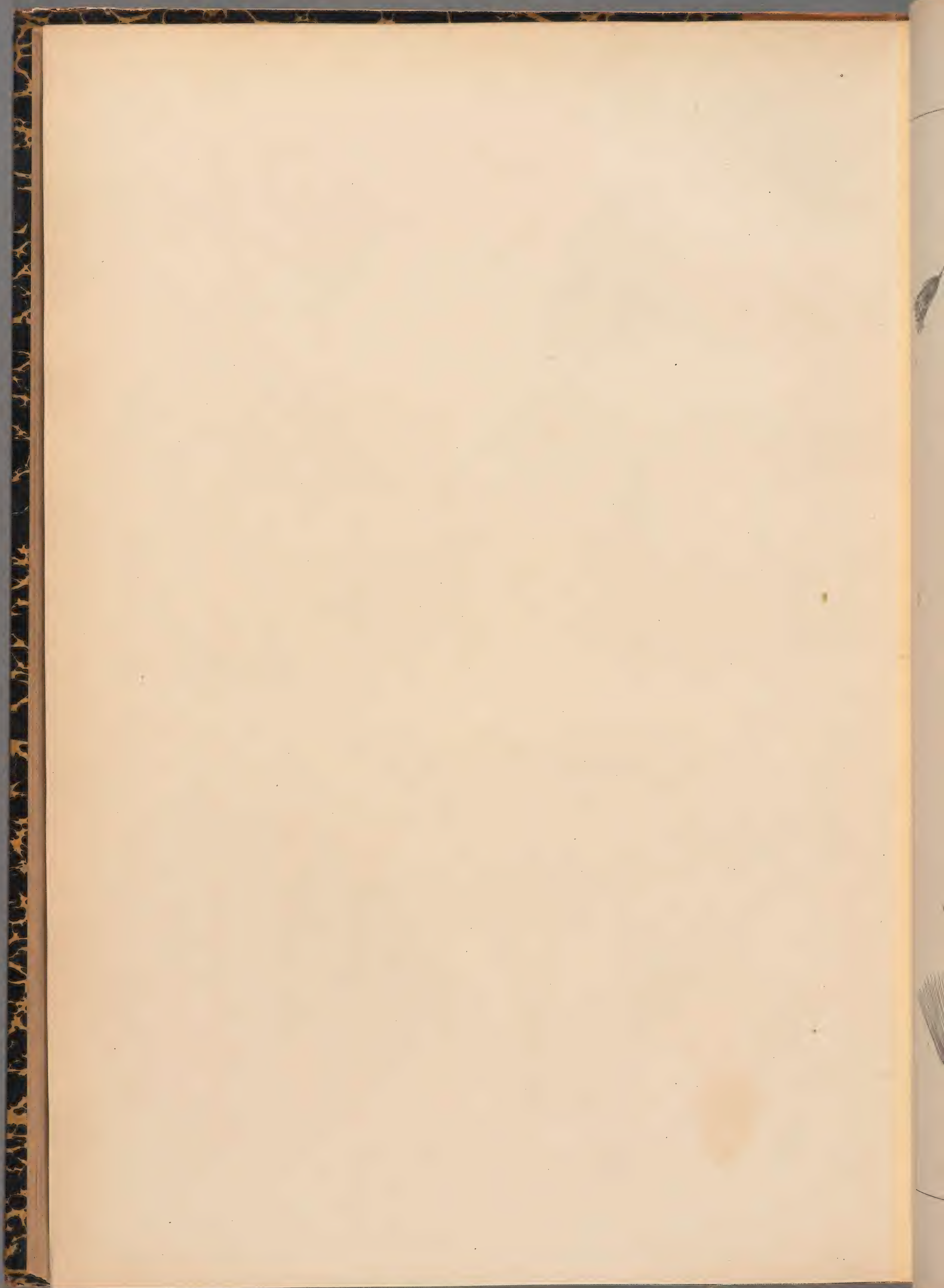






CNICUS BENEDICTUS. L. ①



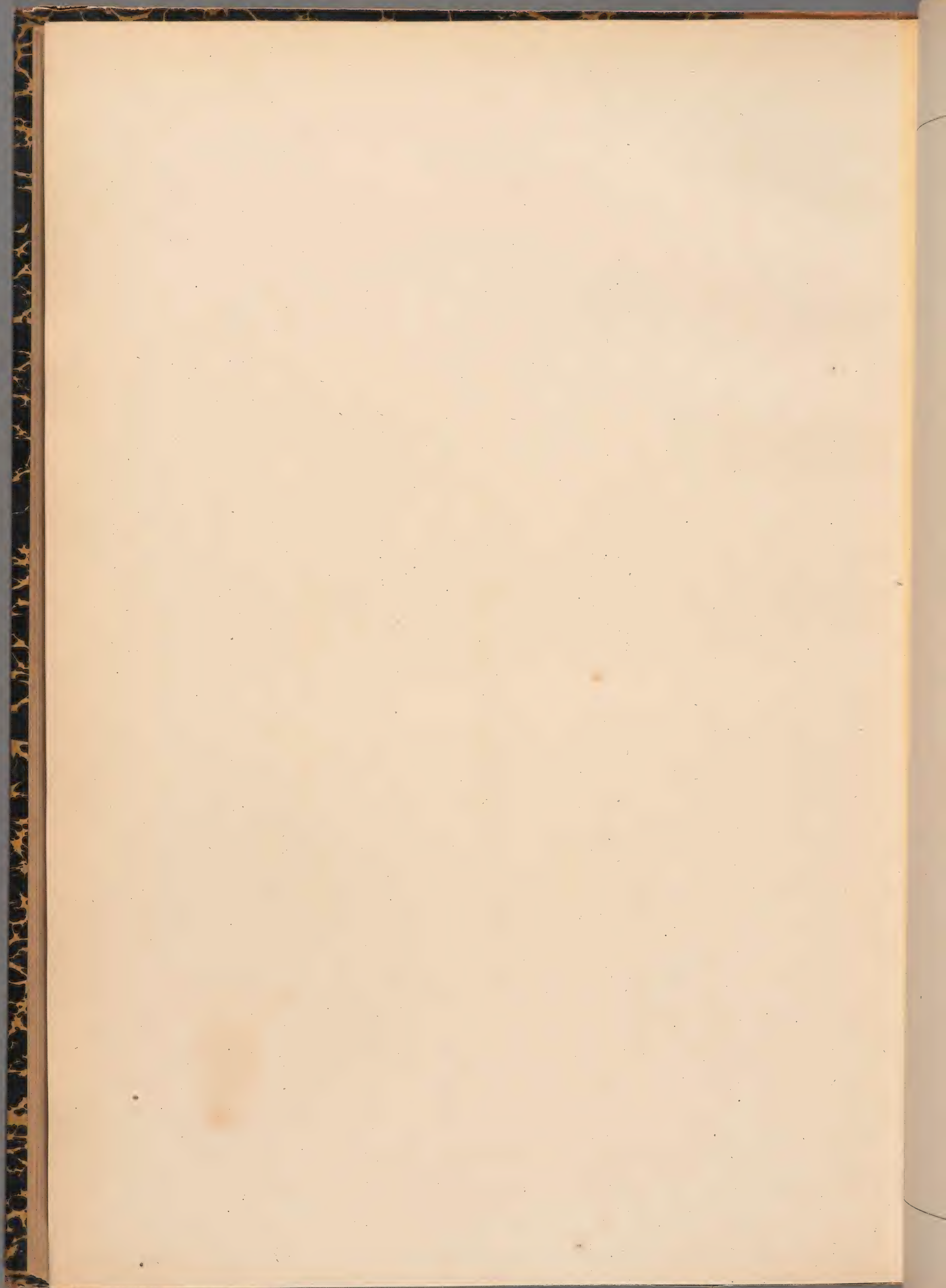






CRUPINA VULGARIS. CASS. ①



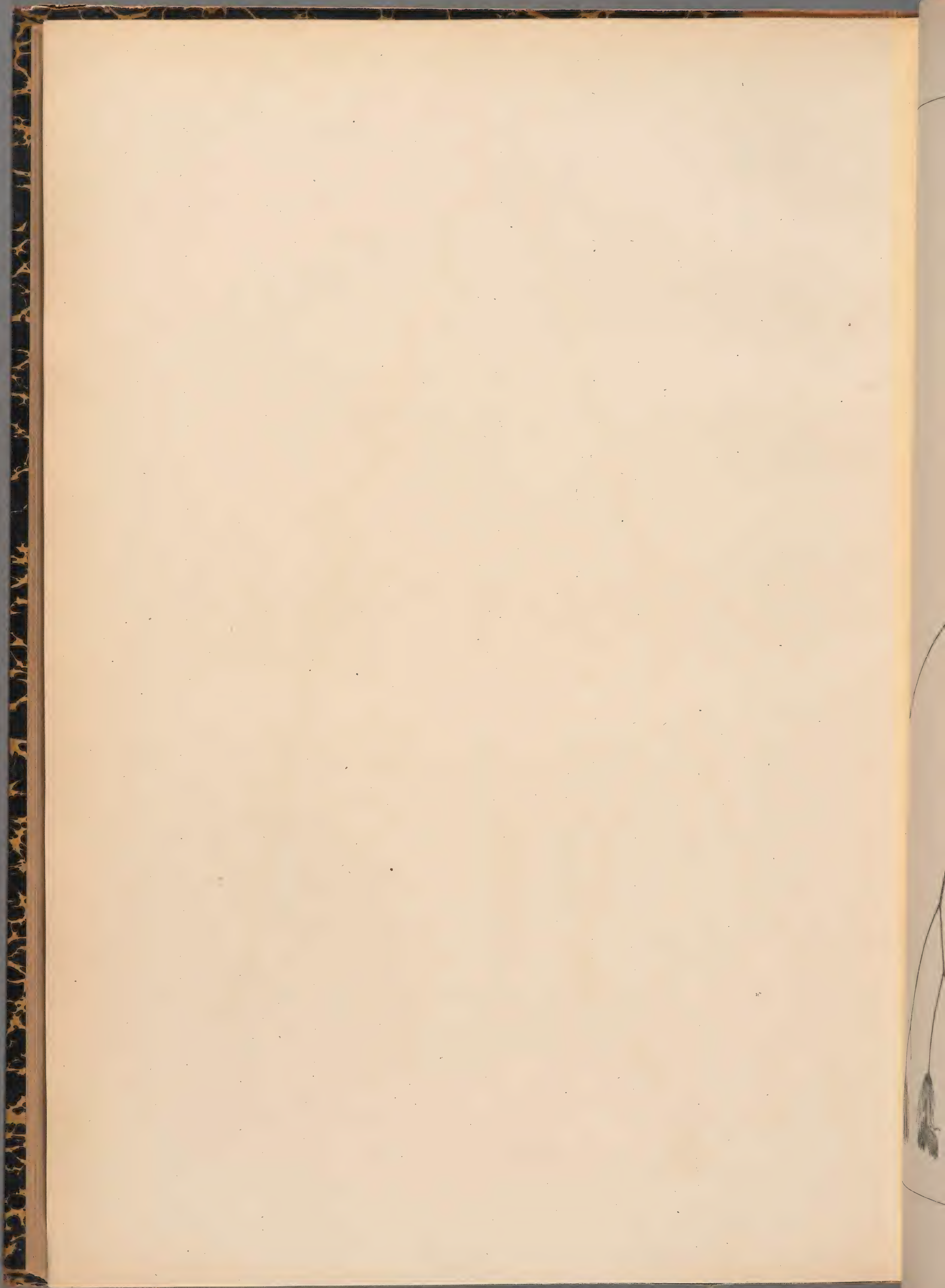






C. BRACHYPAPPA. JORD. ①



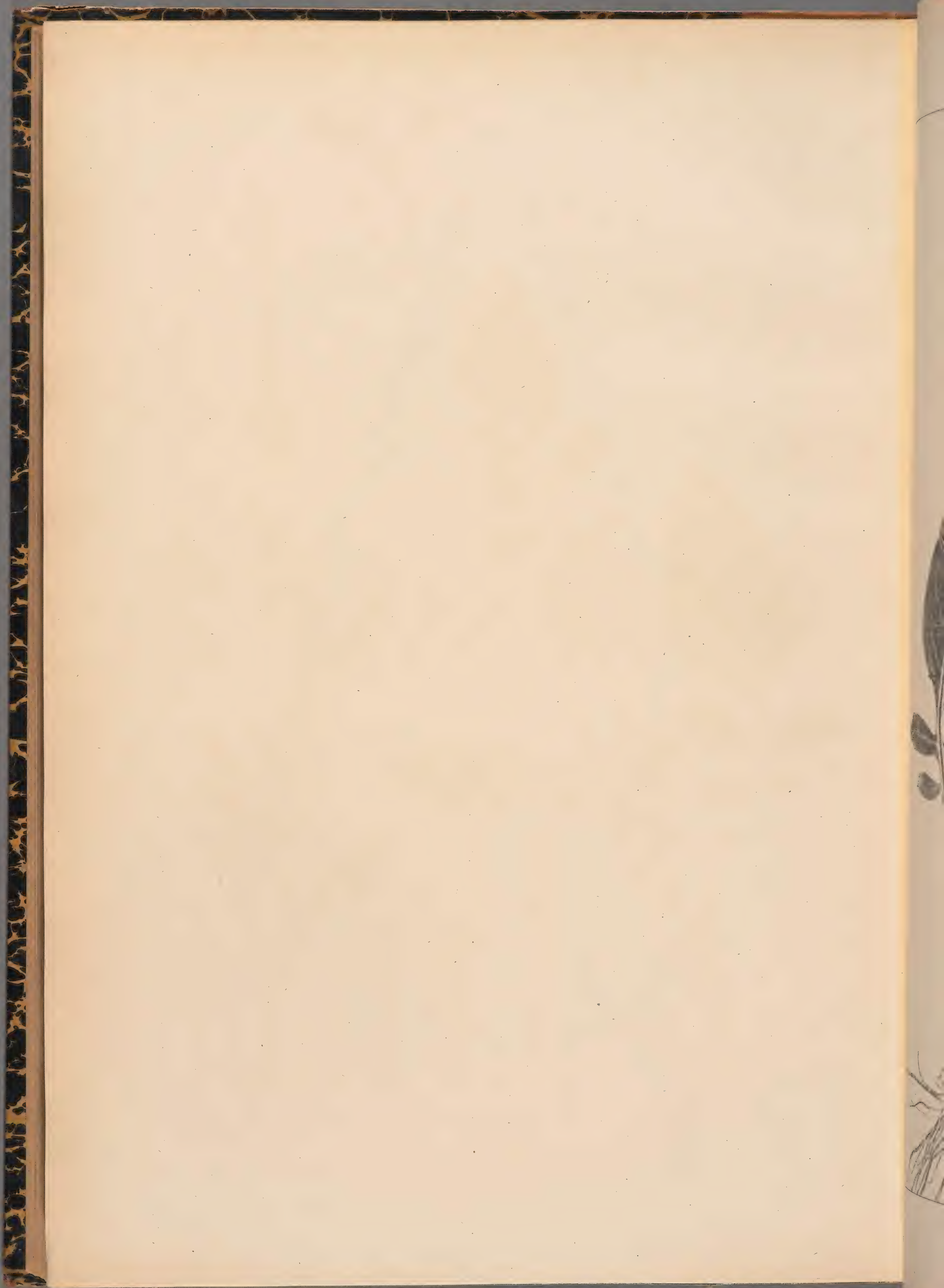






C . MORISII. BOR. ①









SERRATULA TINCTORIA L. 2



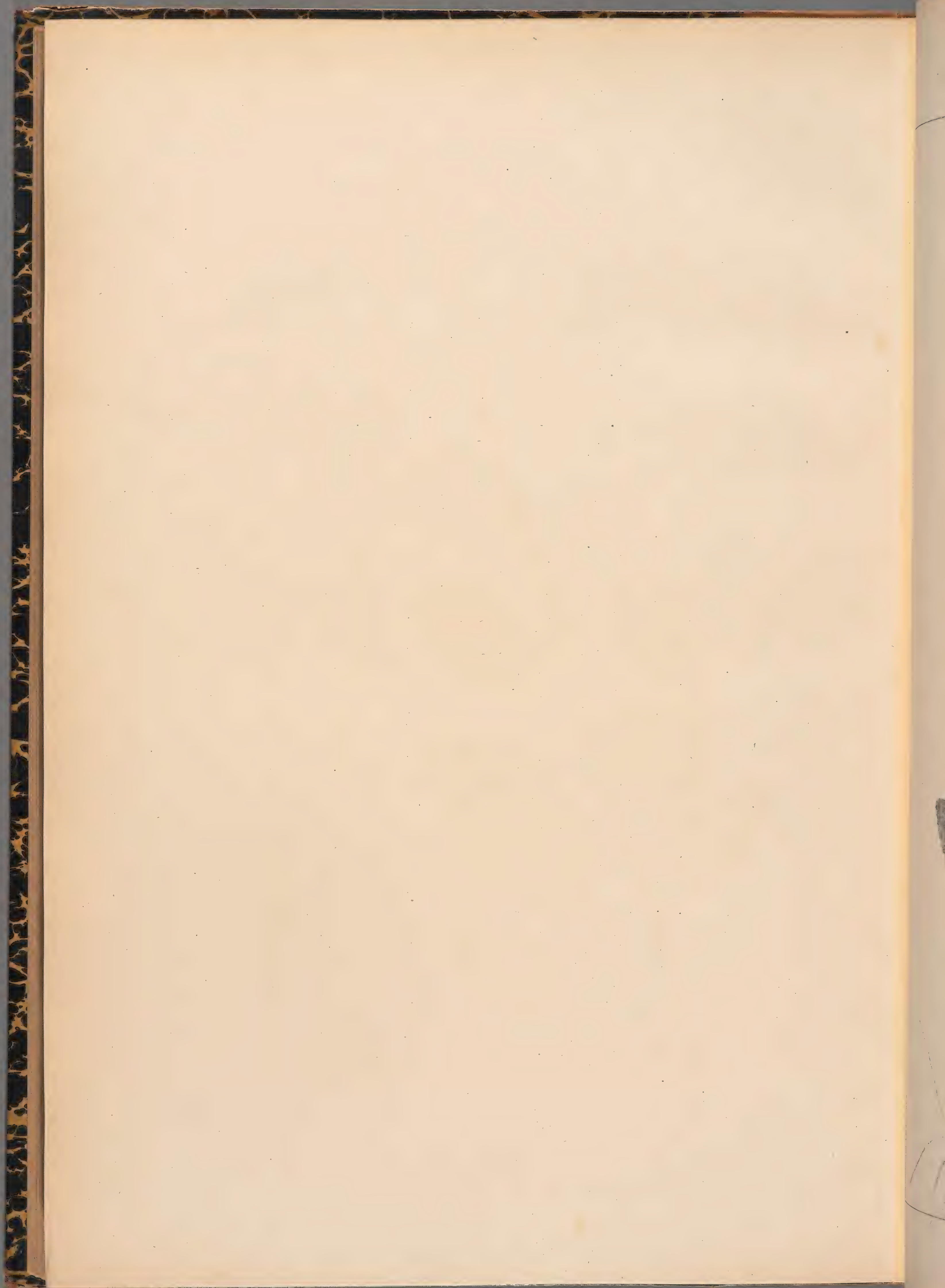






C. TINCTORIA. L. ♀ Var. alpina.



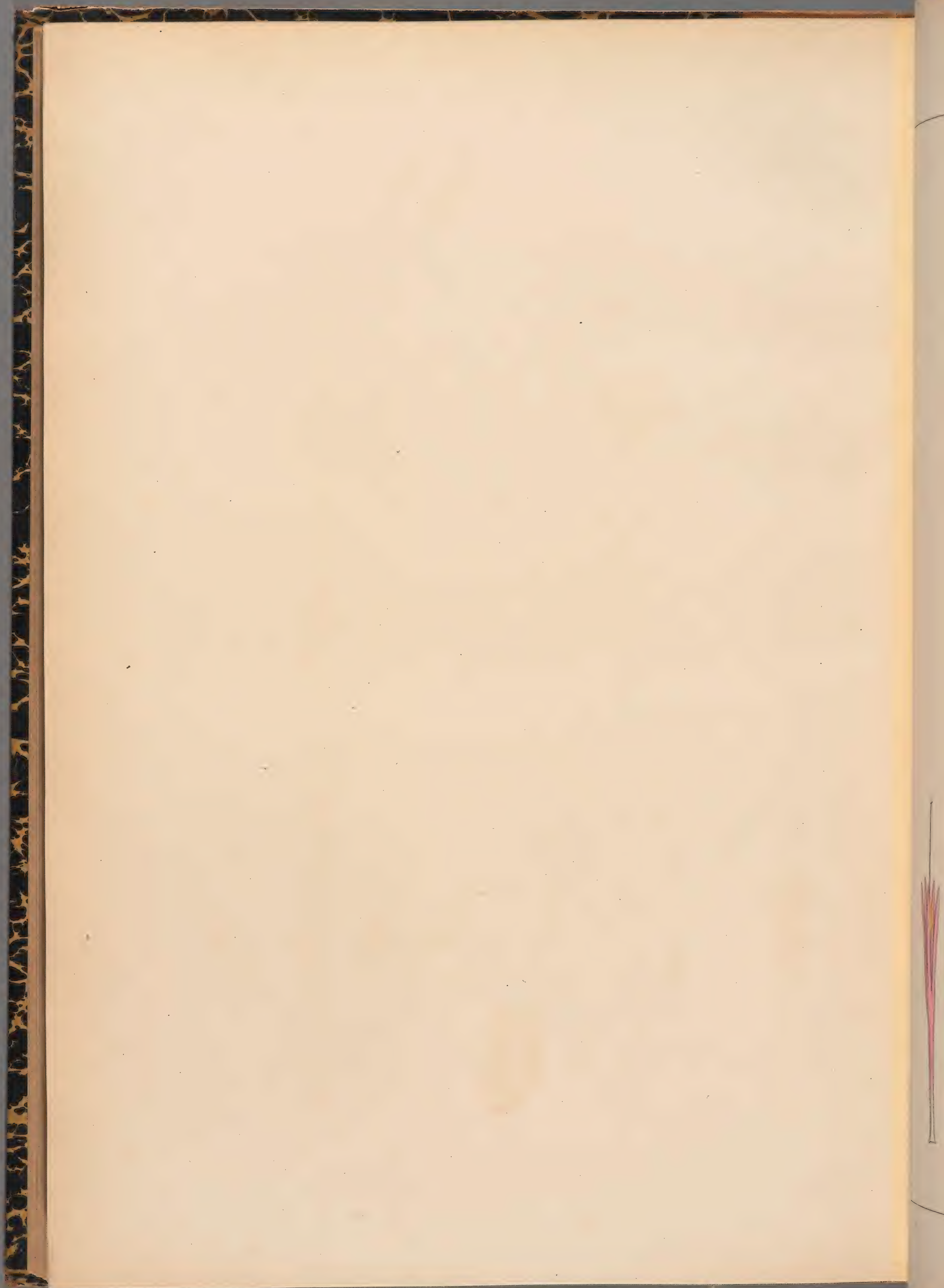






S. HETEROPHYLLA. DESF. 2



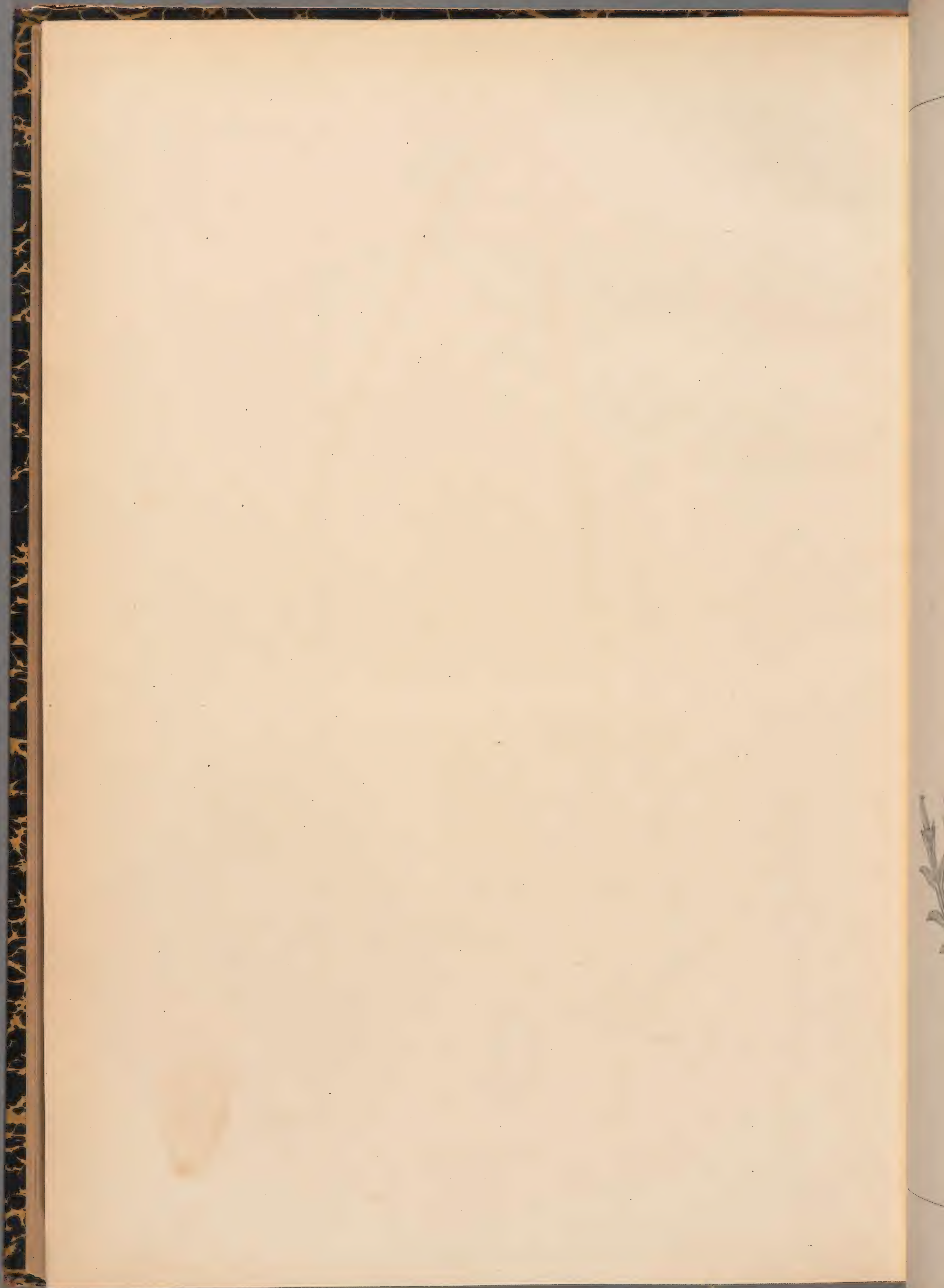






S . NUDICAULIS . D . C . 24

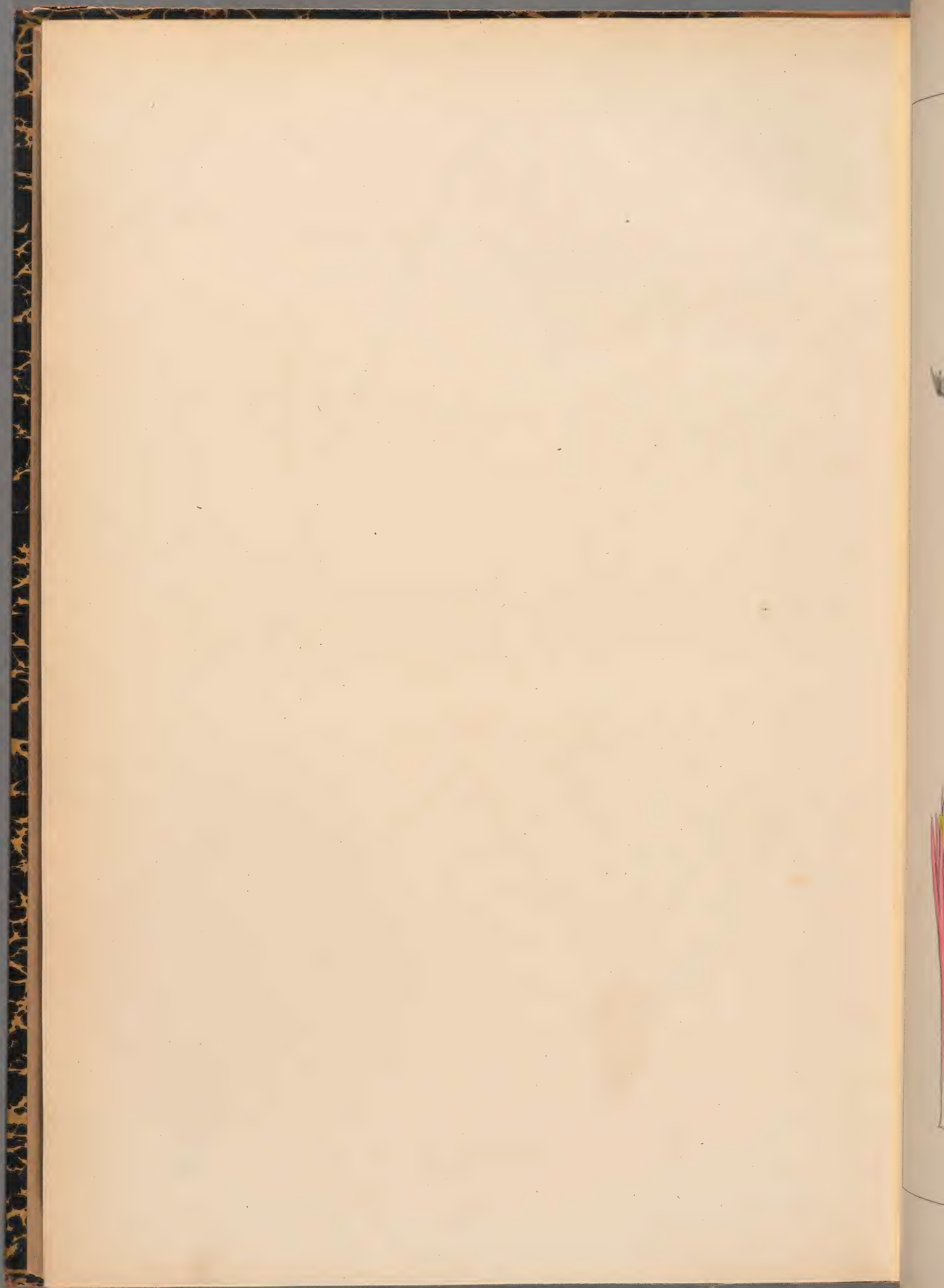
















J. PYRENAICA. G. G. 27



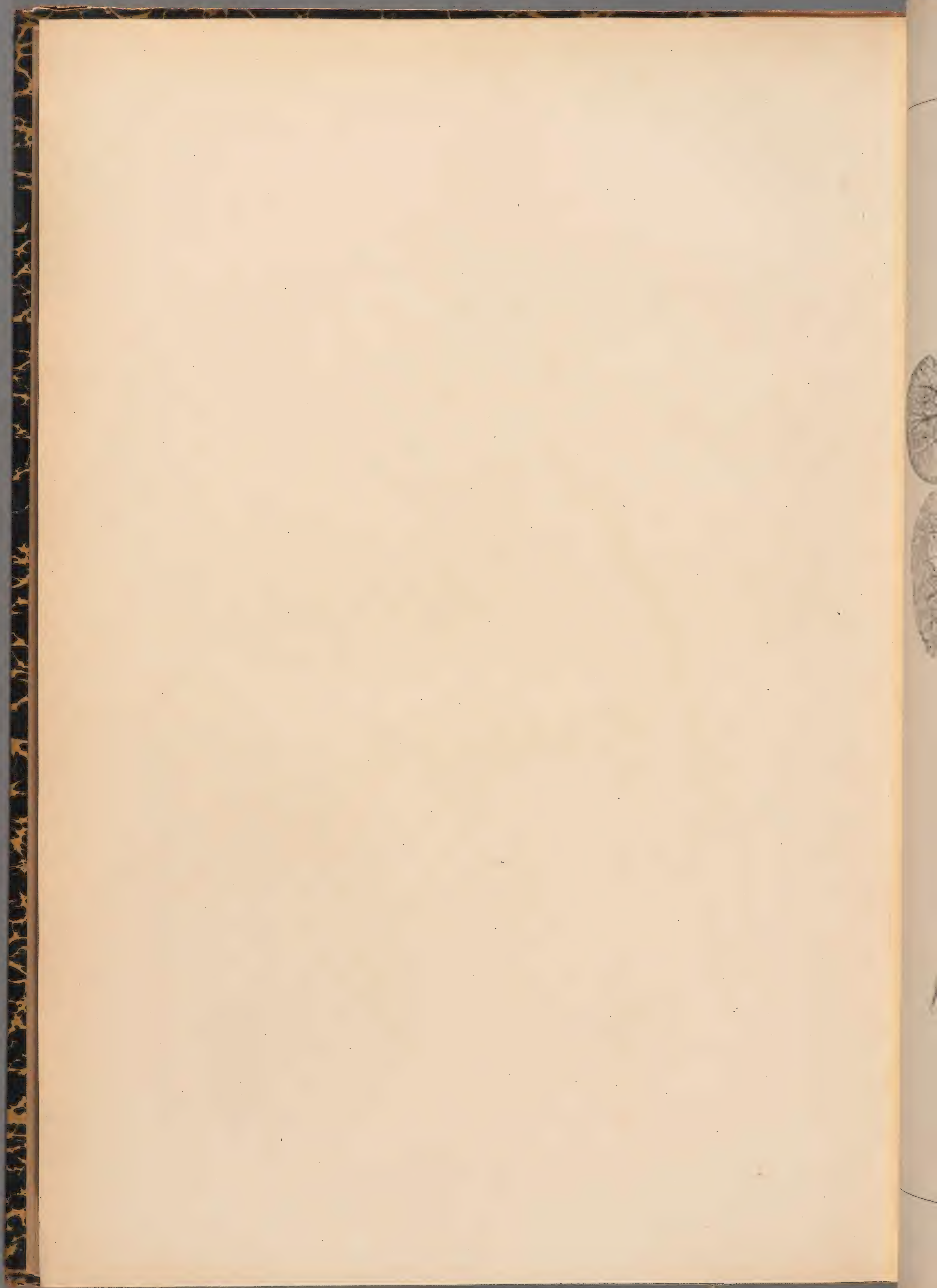






LEUNEA CONIFERA. D. C. 24



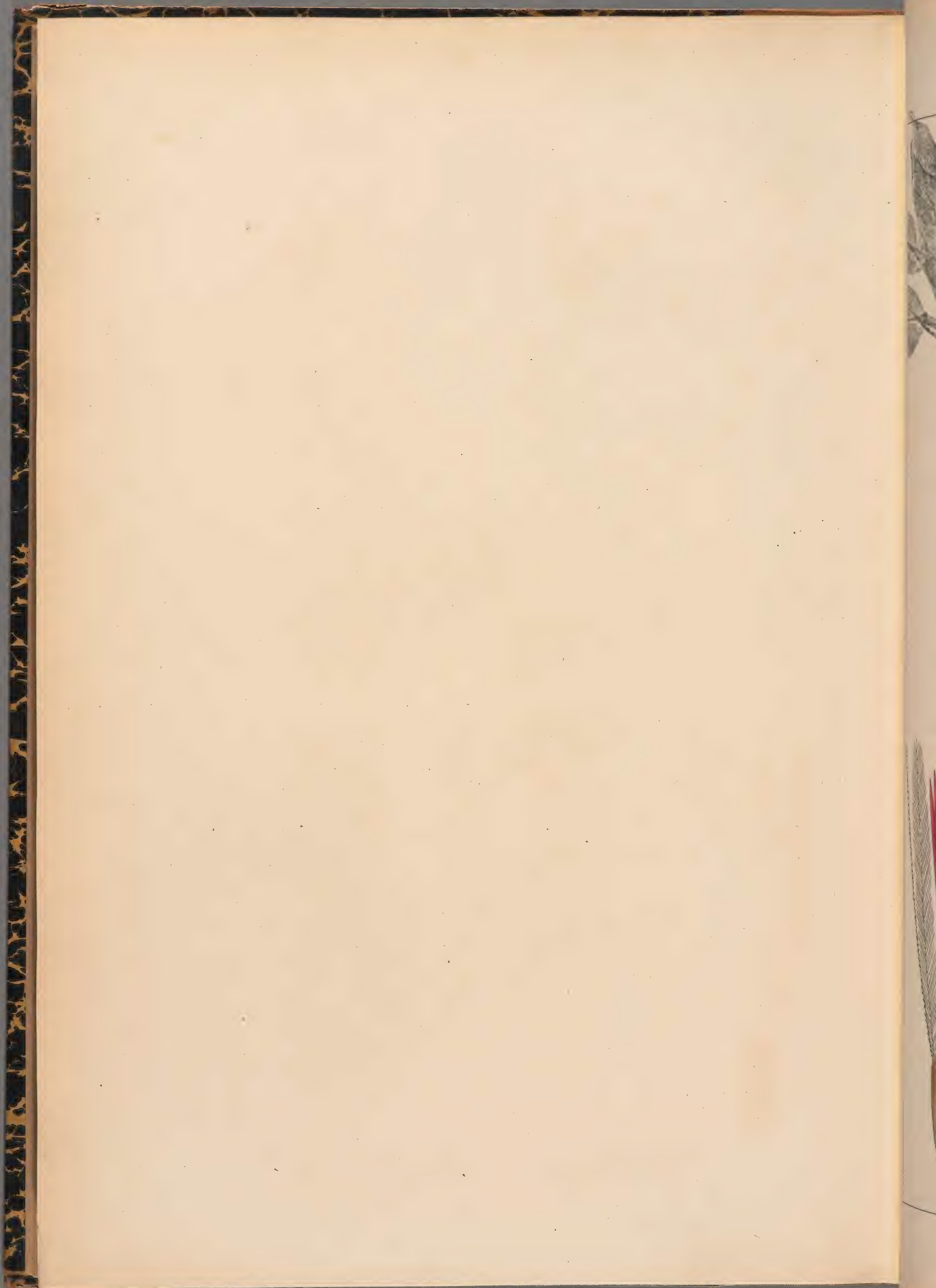






BERARDIA SUBACaulis. VILL.  $\gamma$



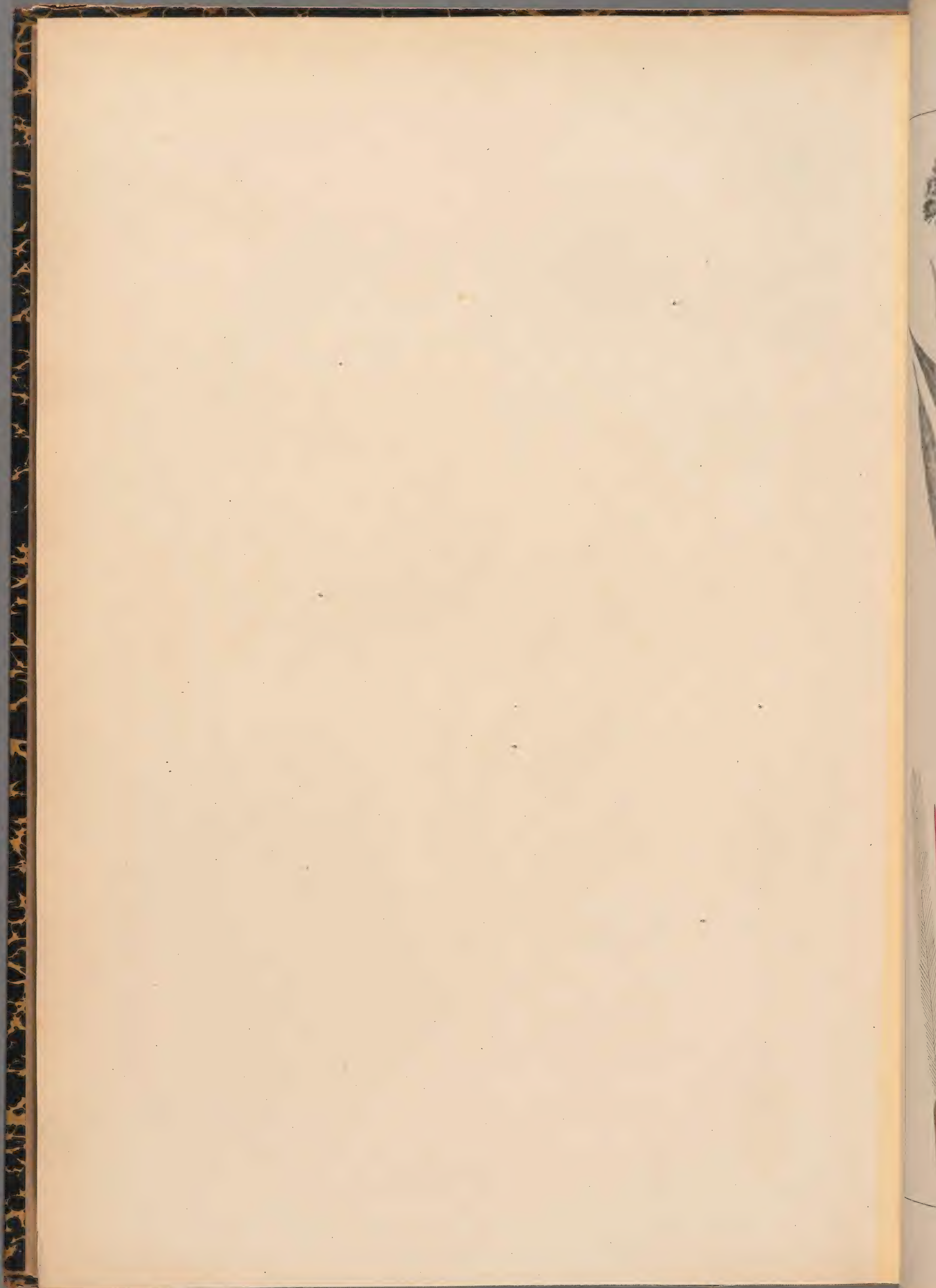






SAUSSUREA DEPRESSA GR.  $\gamma$



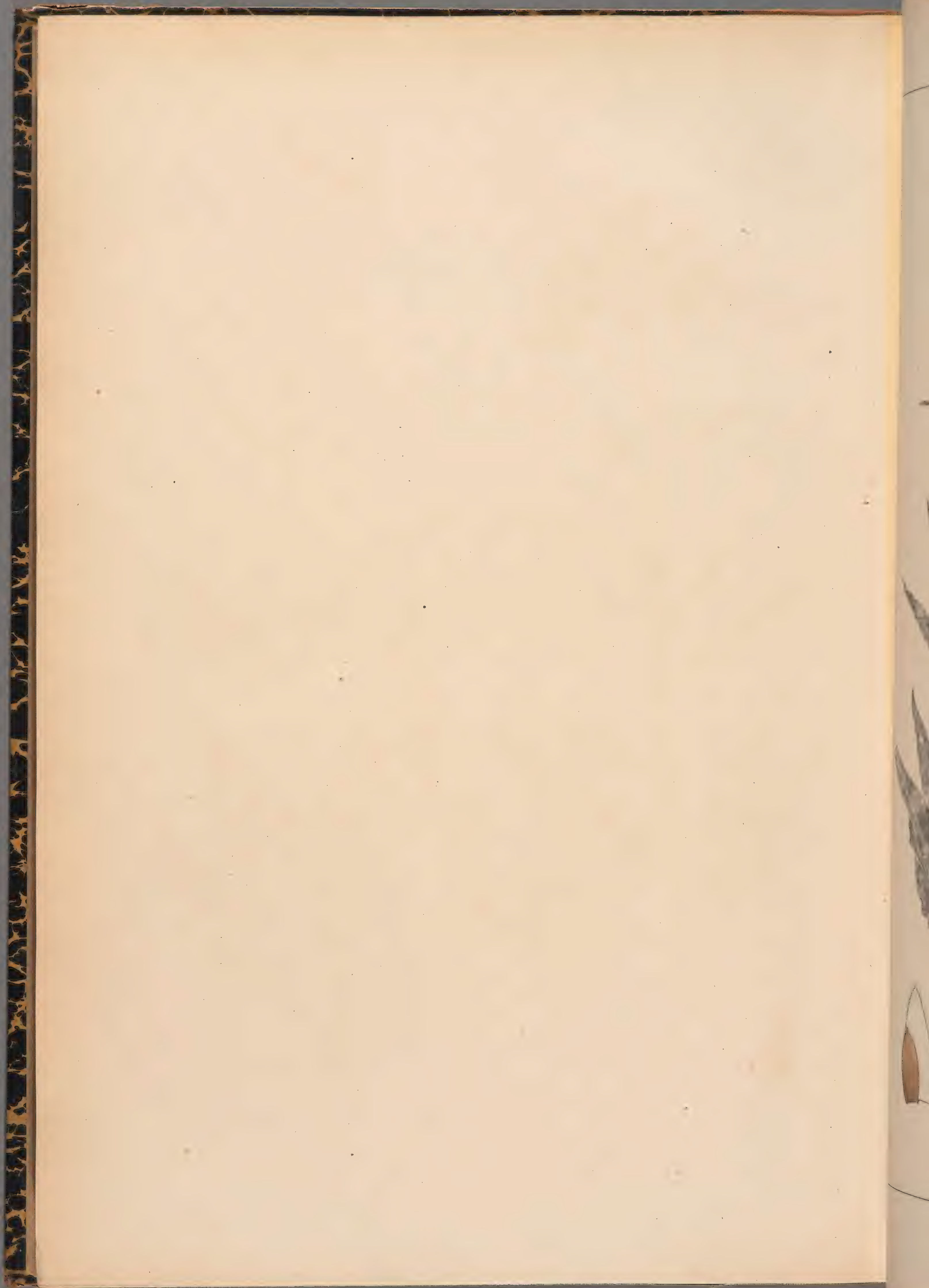






S. ALPINA D.C. 7



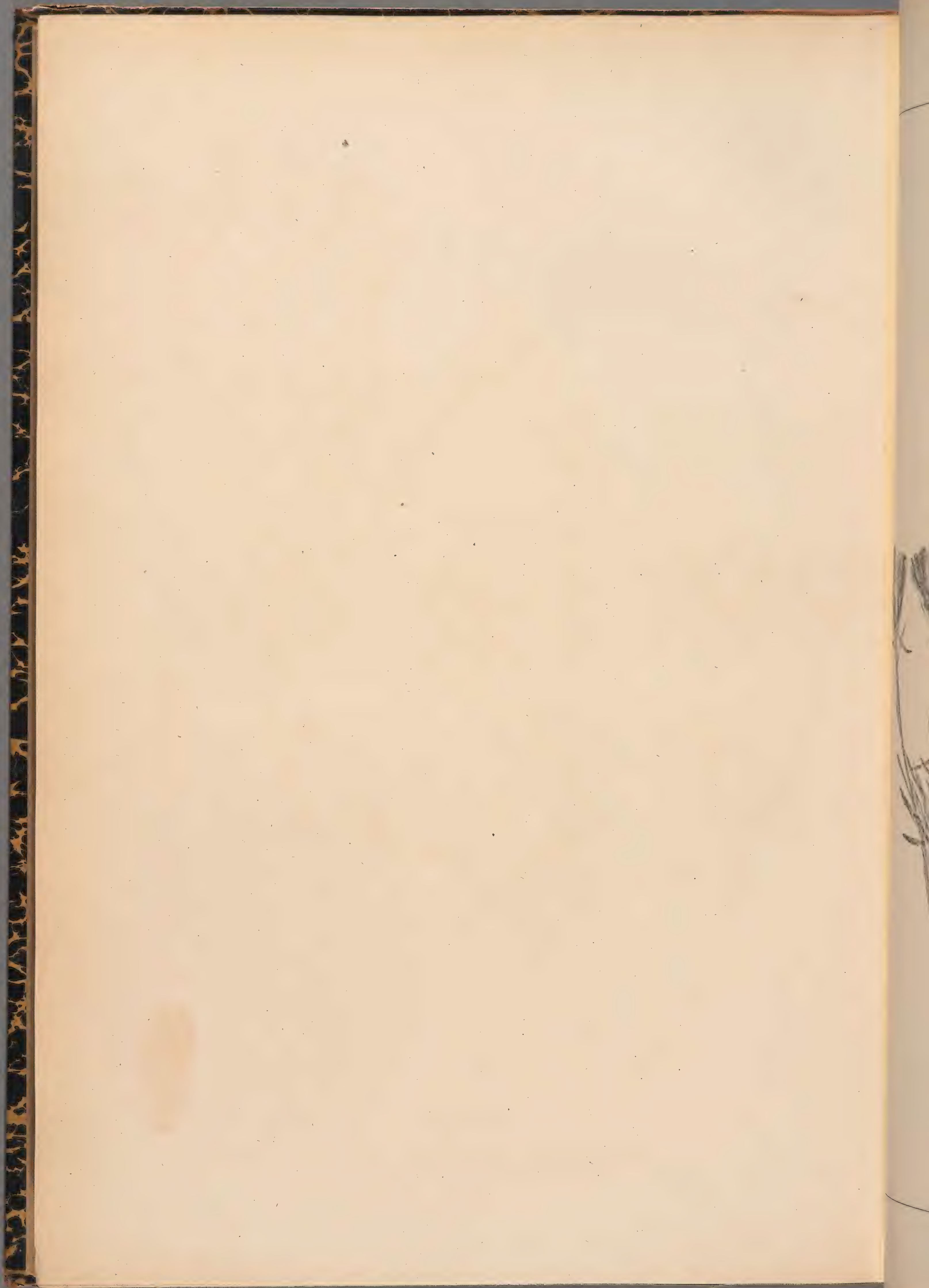






S. DISCOLOR. D. C. 7



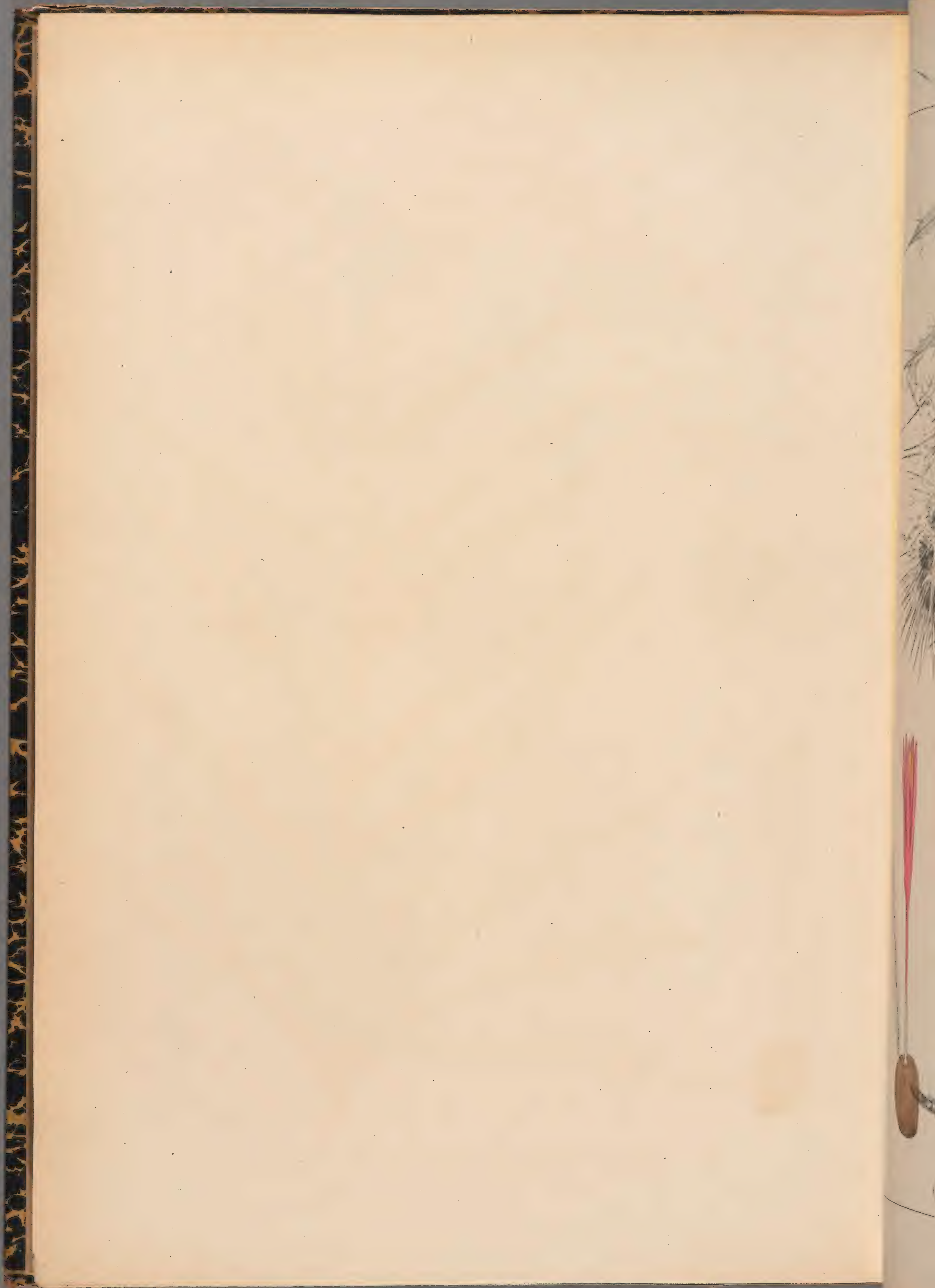






STÆHELINA DUBIA. L. 5



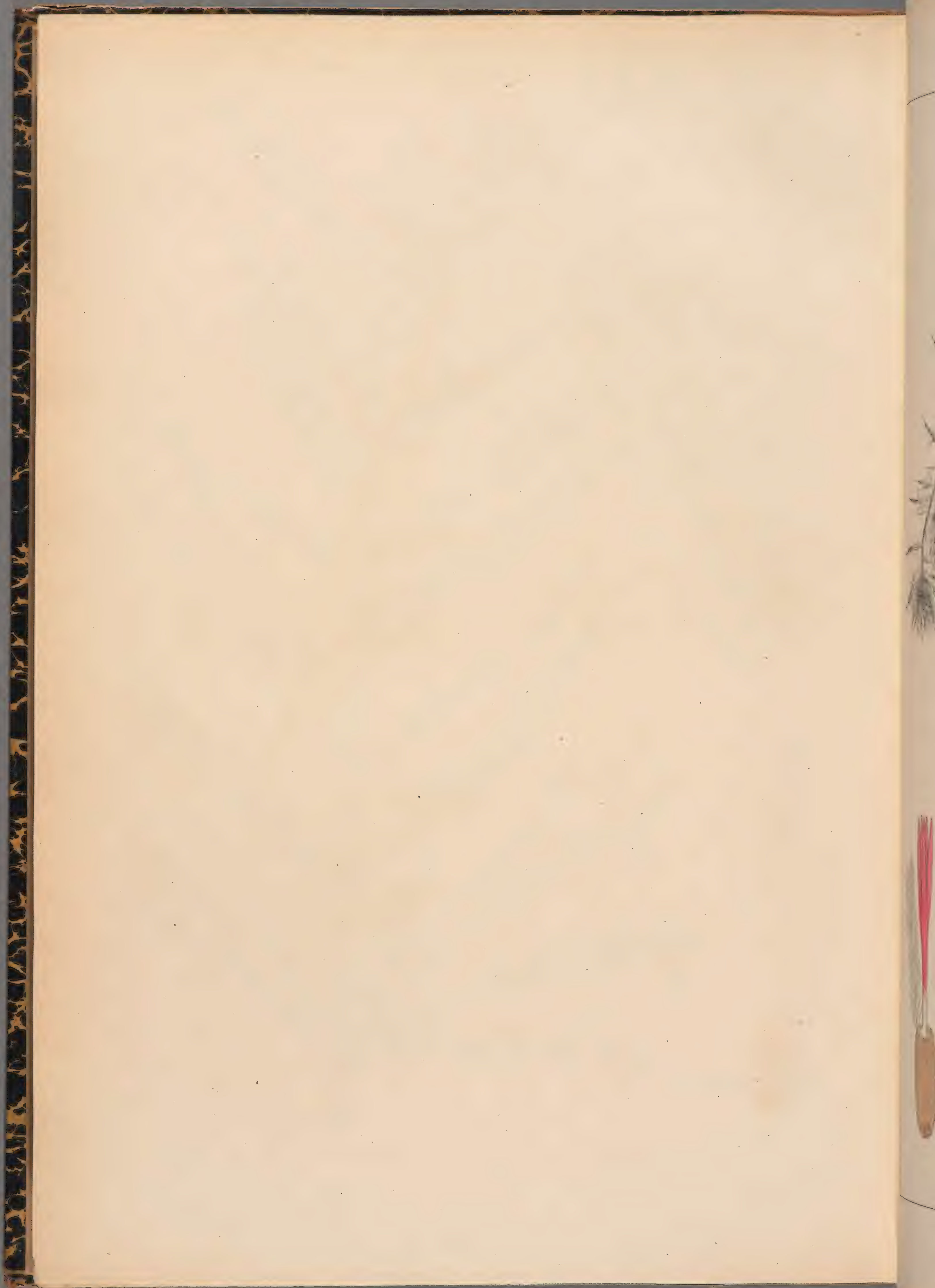






CHAMÆPEUCE CASABONÆ D. C. ②



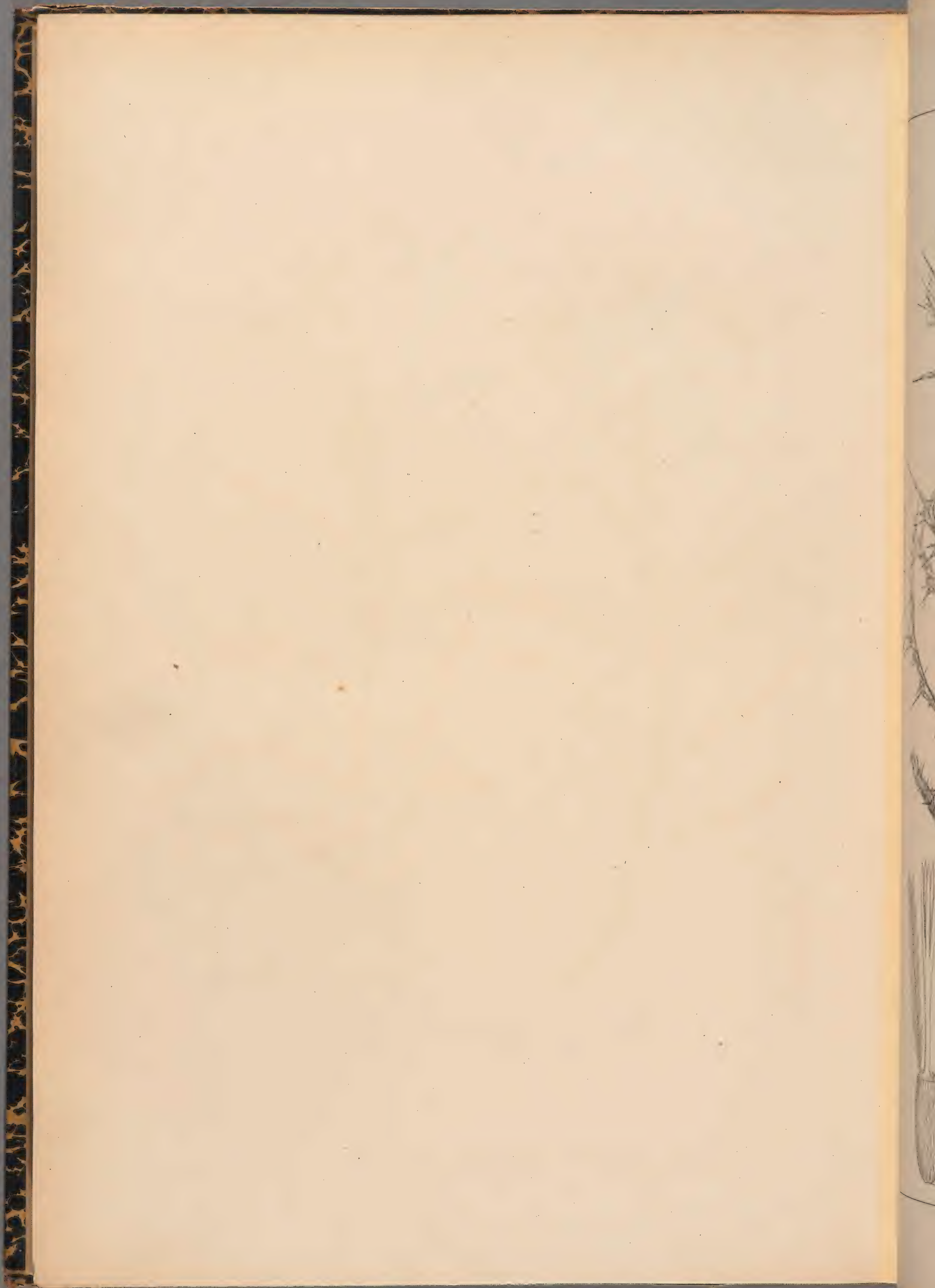






CARLINA VULGARIS L. ②



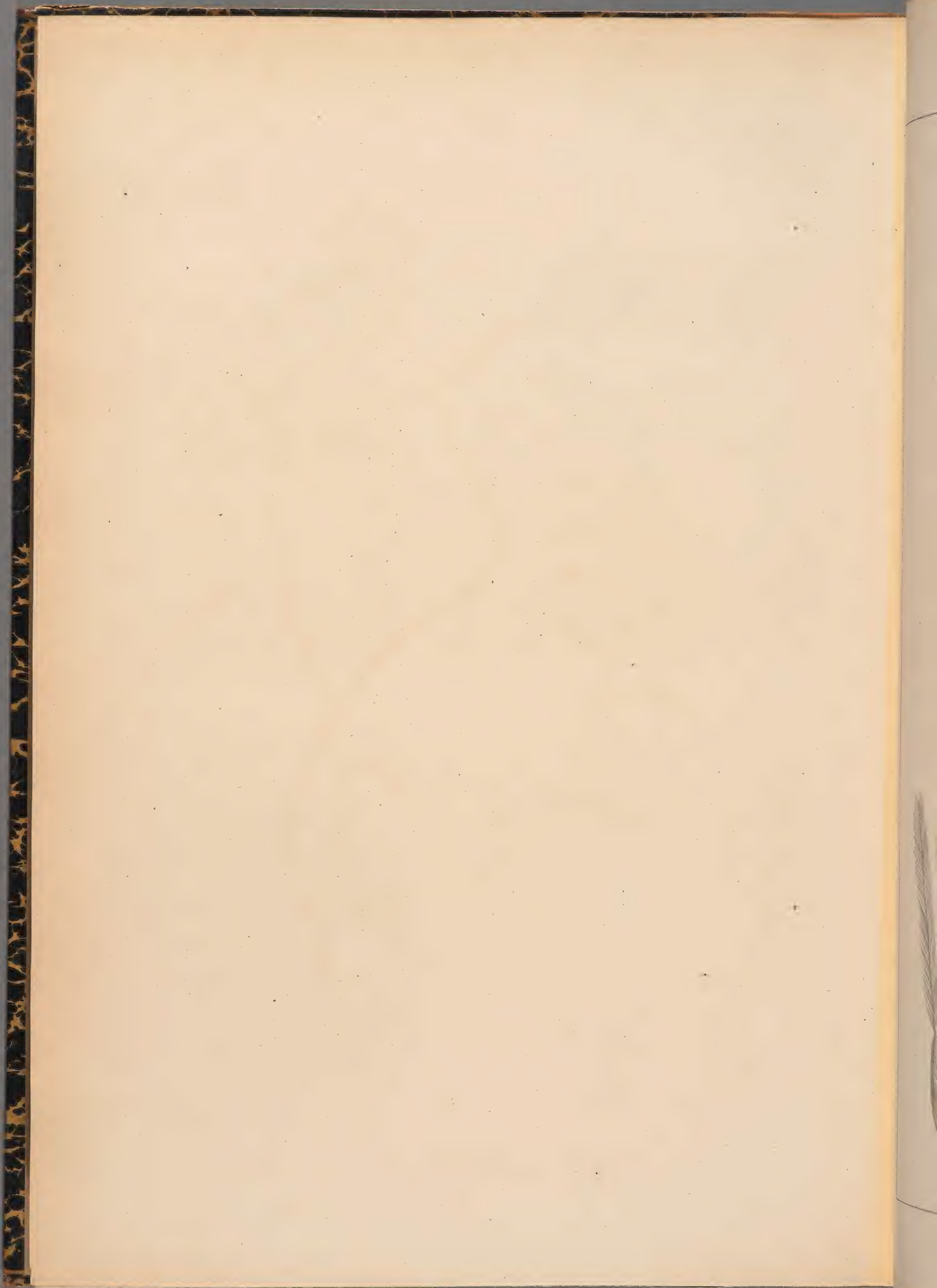






C. MACROCEPHALA . MORIS . (2)



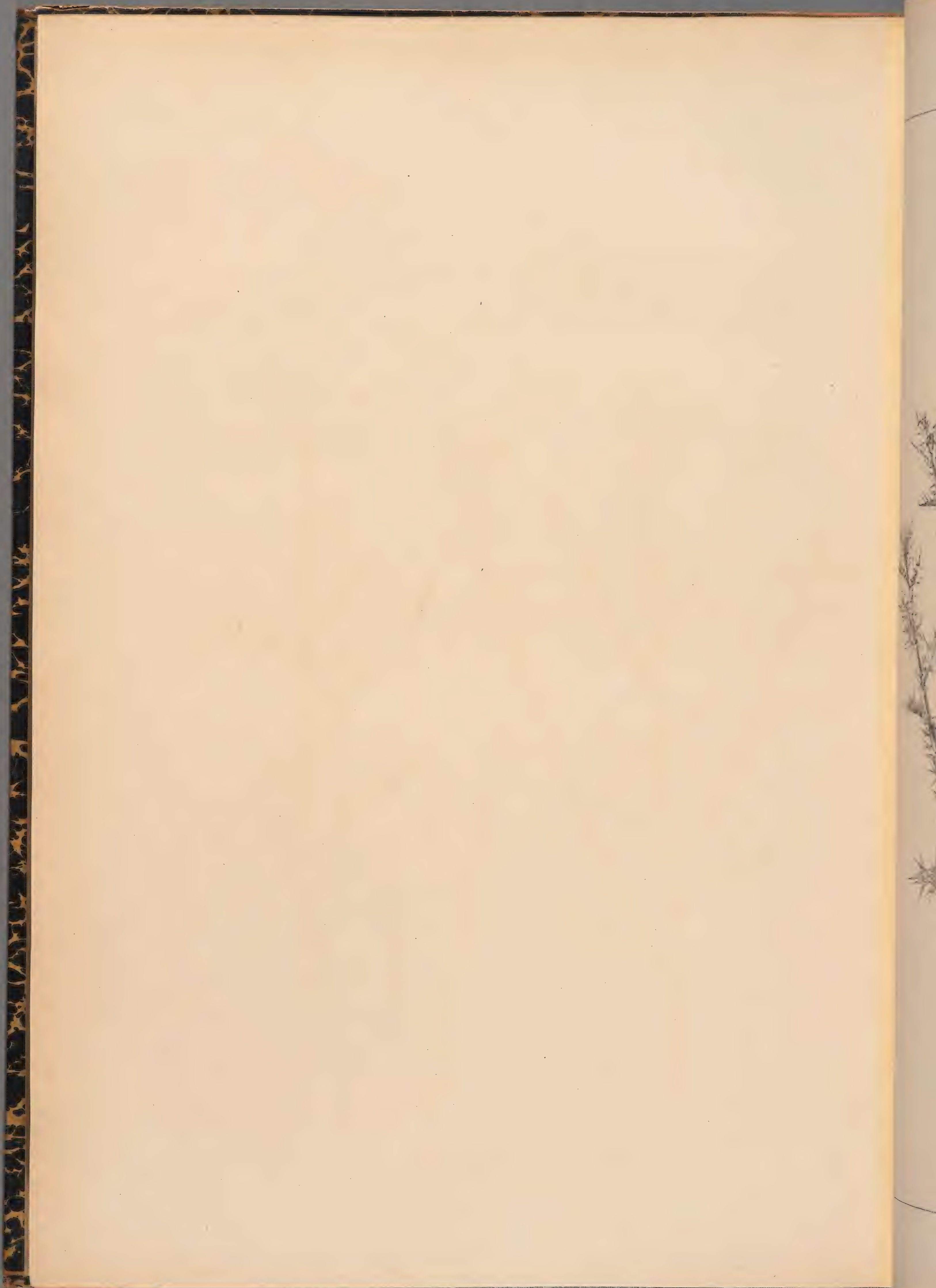






C. LANATA L. ①



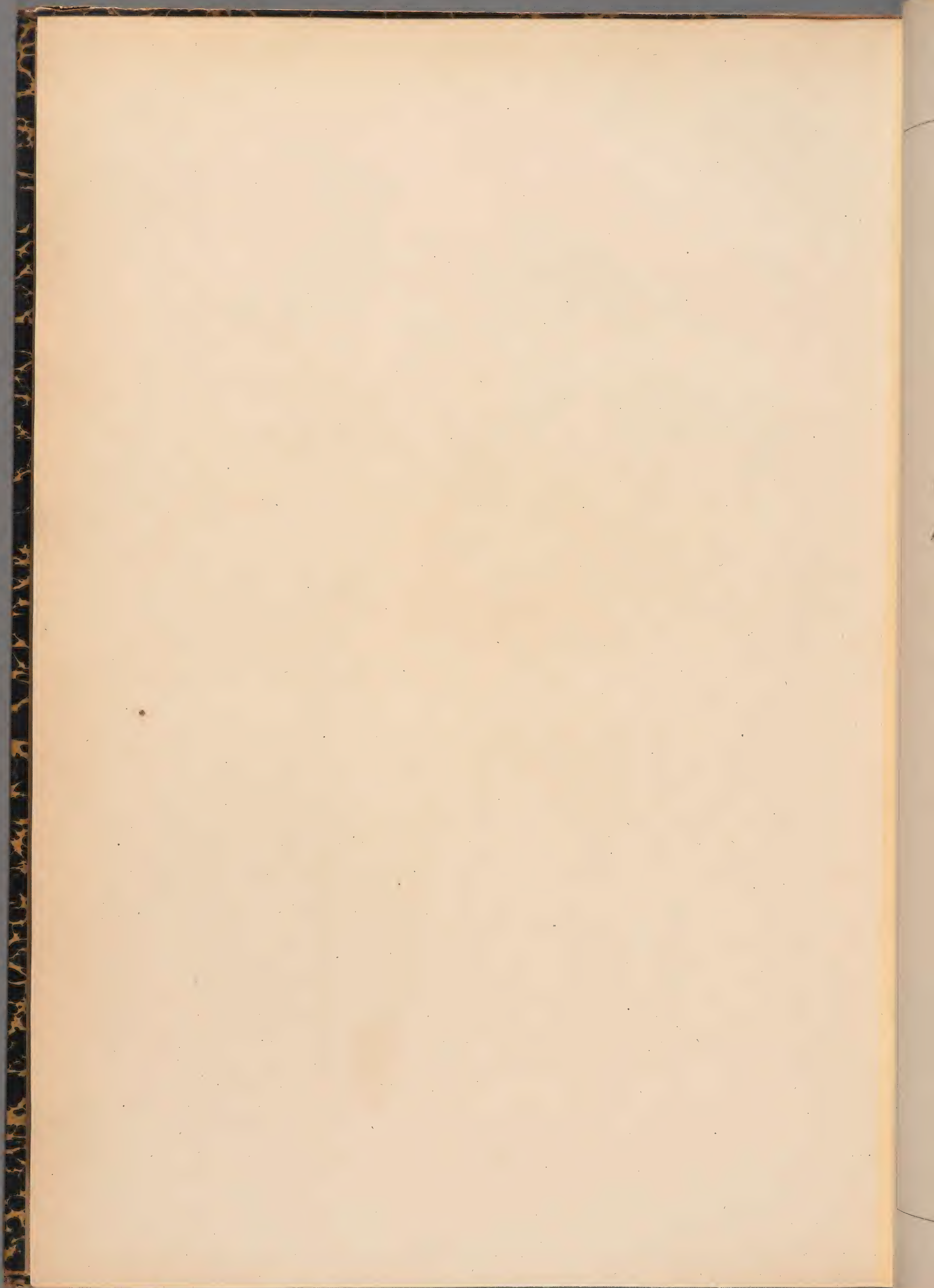






C . CORYMBOSA . L . ②



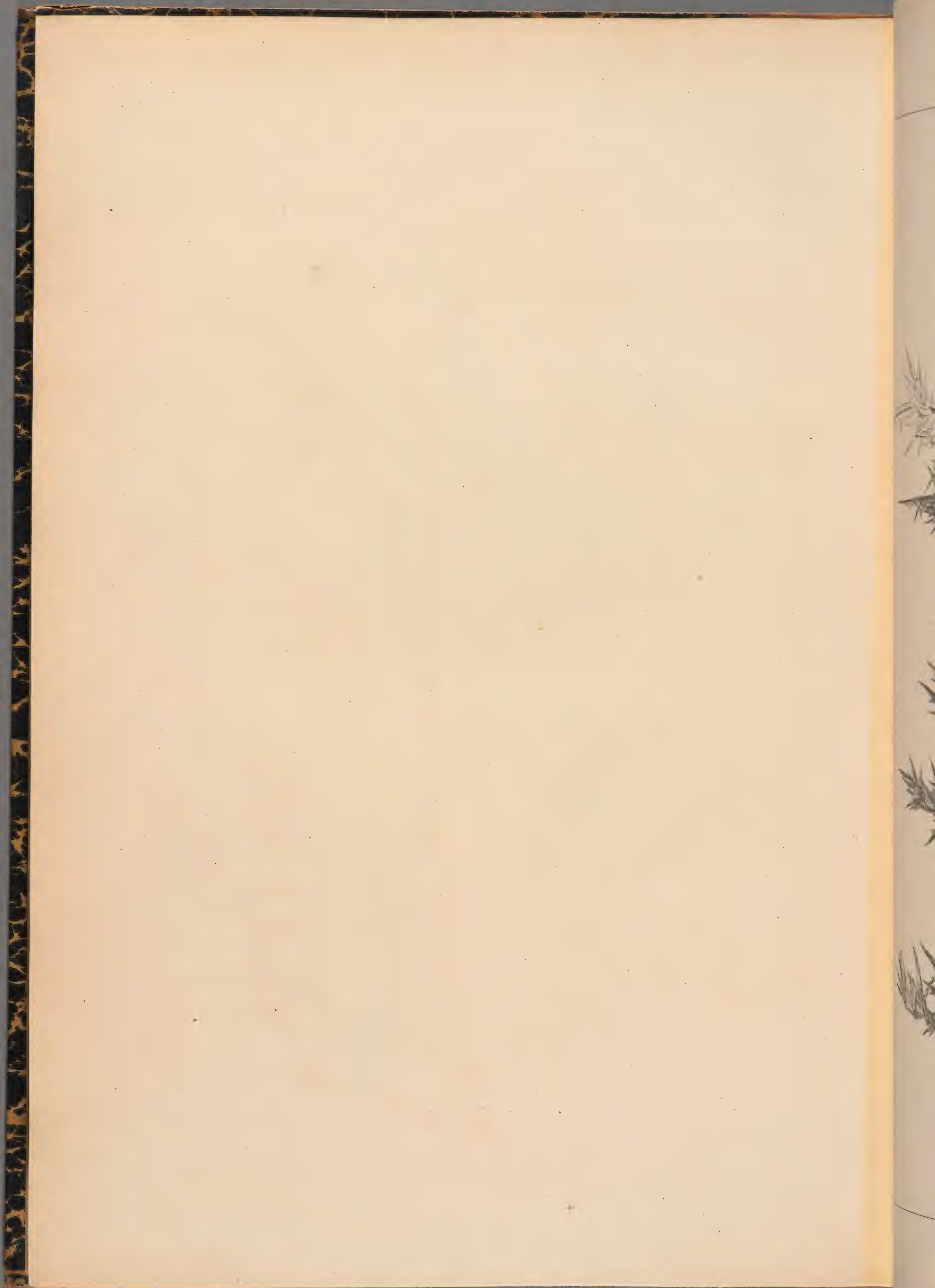






C . ACAULIS . L. ②



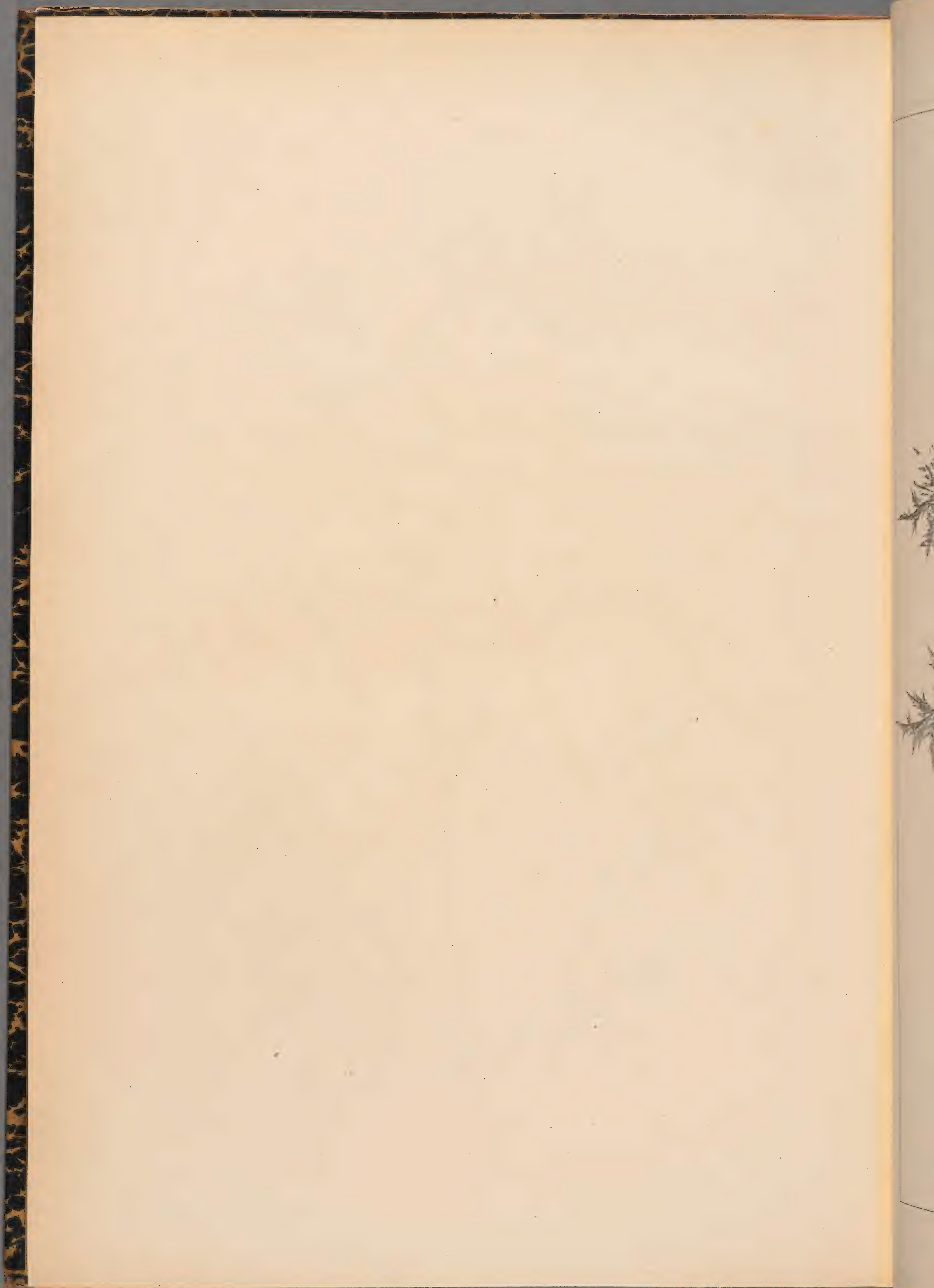






C . ACAULIS . L . Var. caulescens



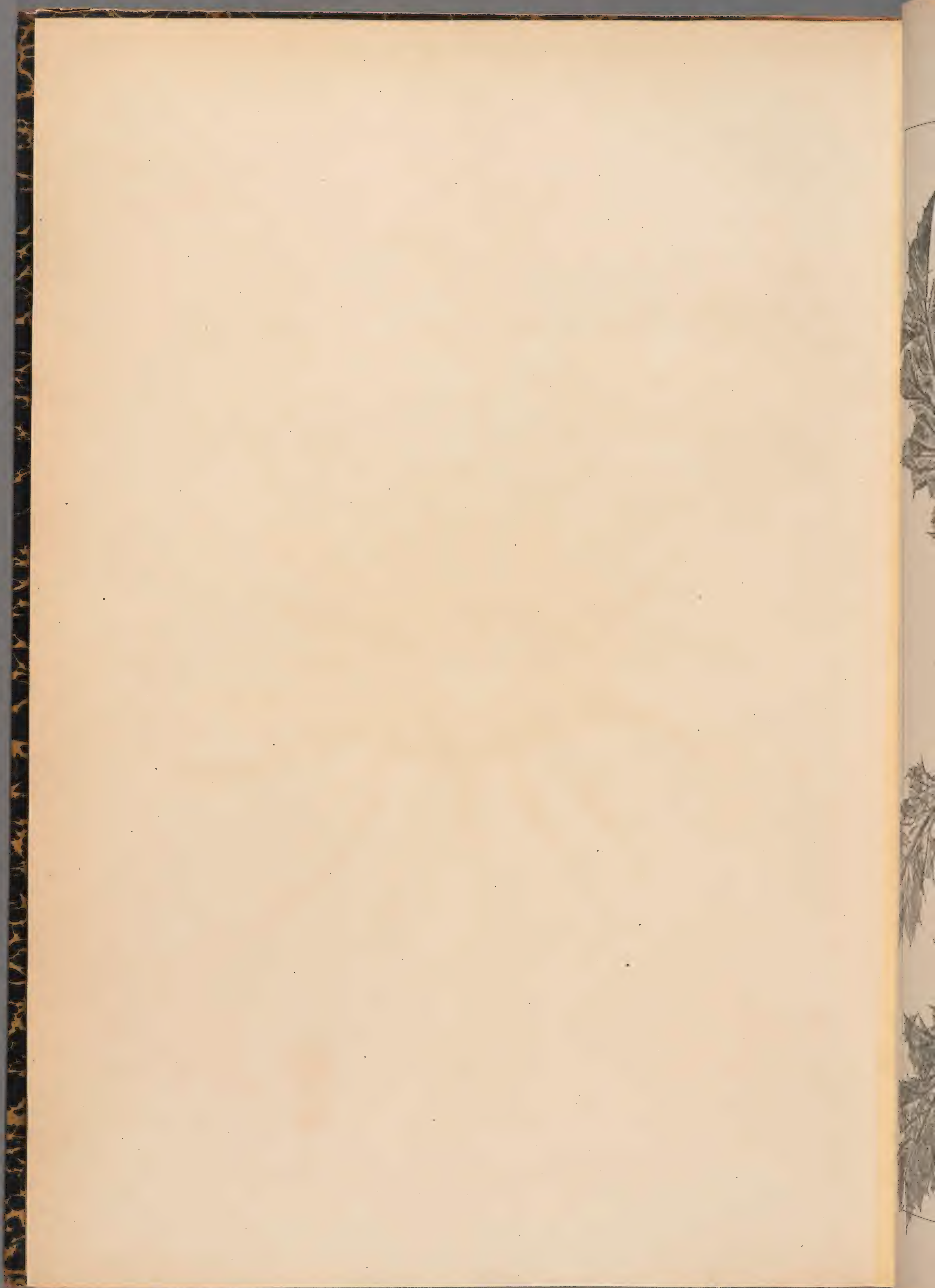






C. ACAULIS. L. *Var. caulescens.*



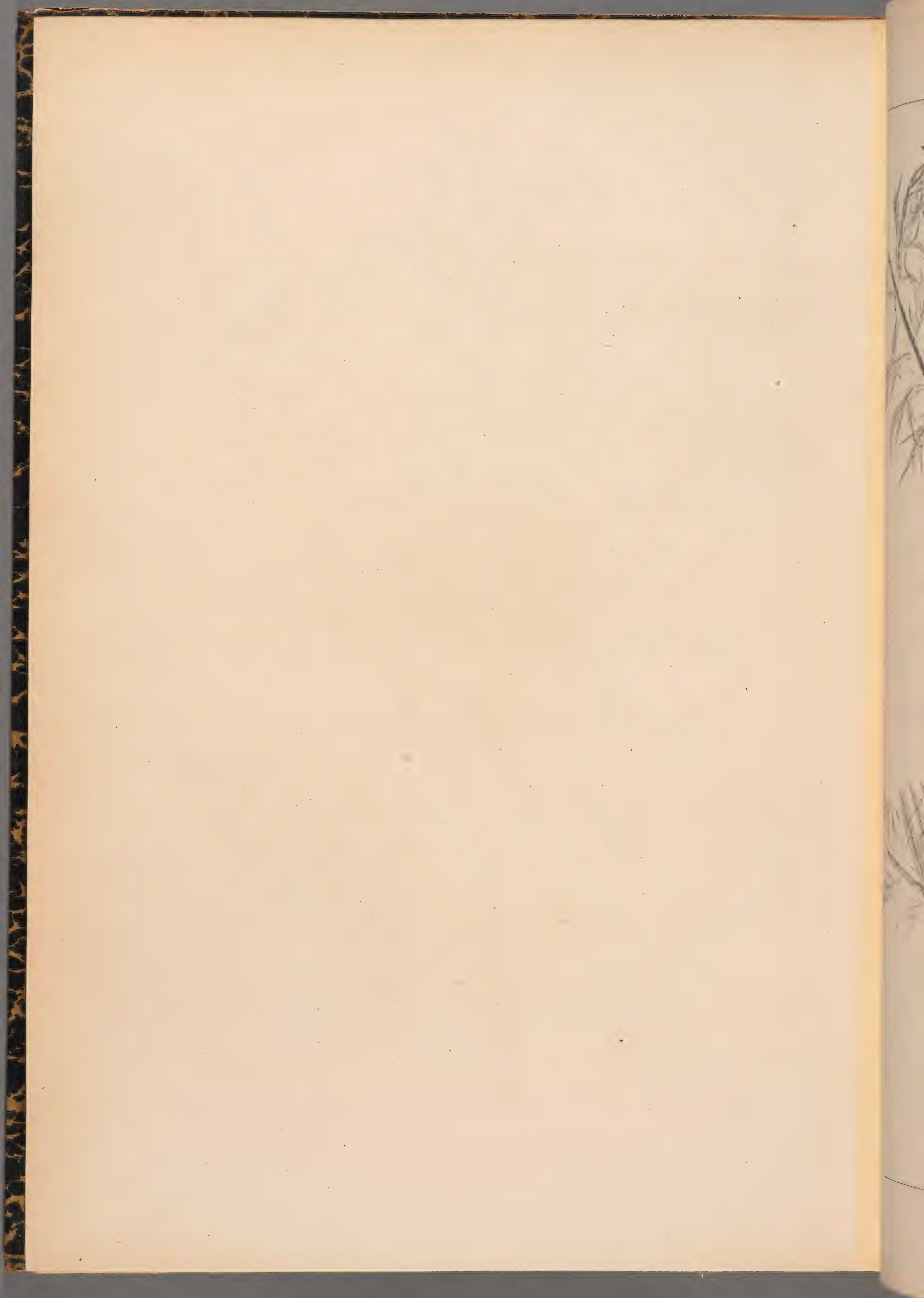






C. ACANTHIFOLIA. ALL. ②



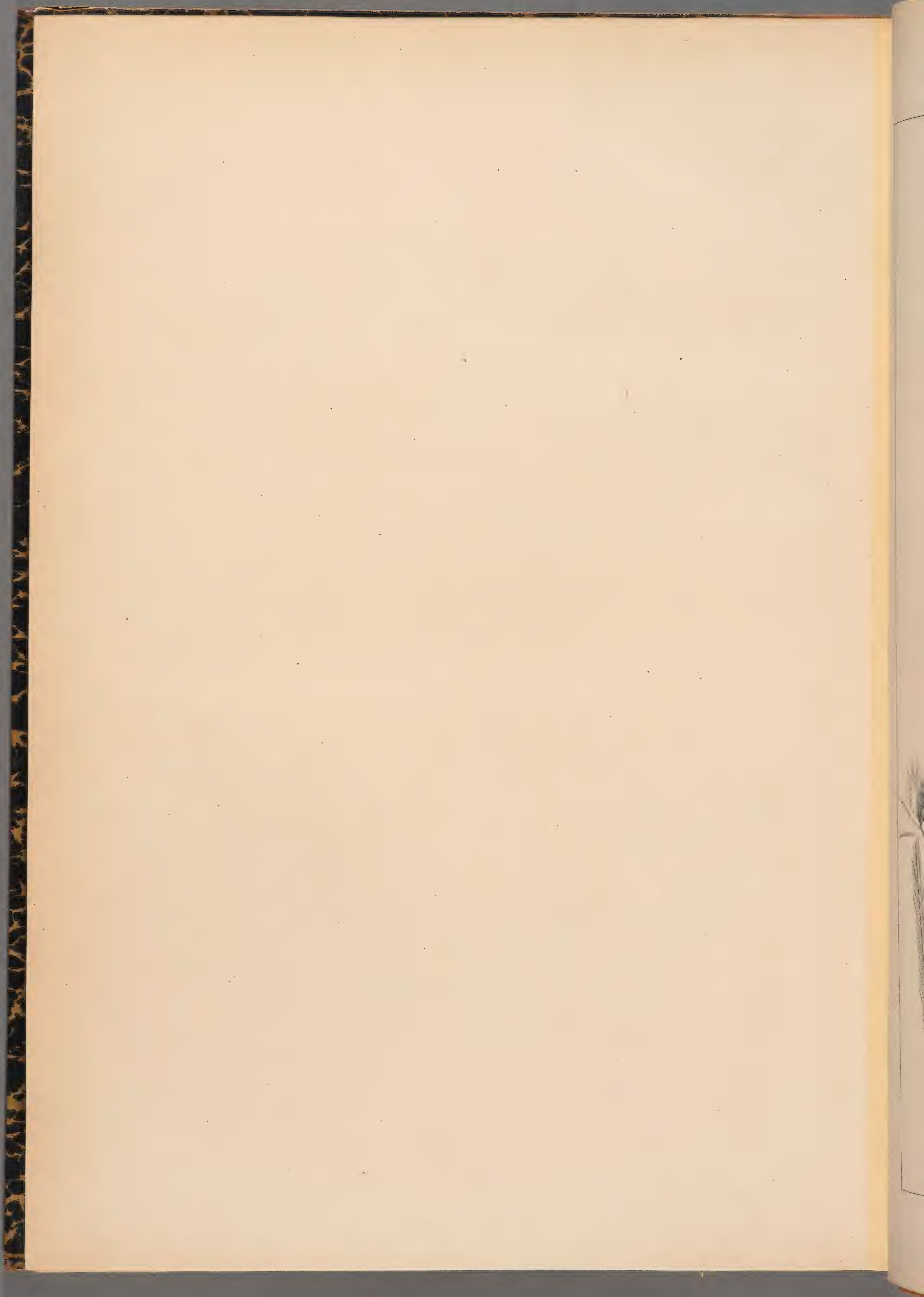






C. GUMMIFERA. LESS. ♀



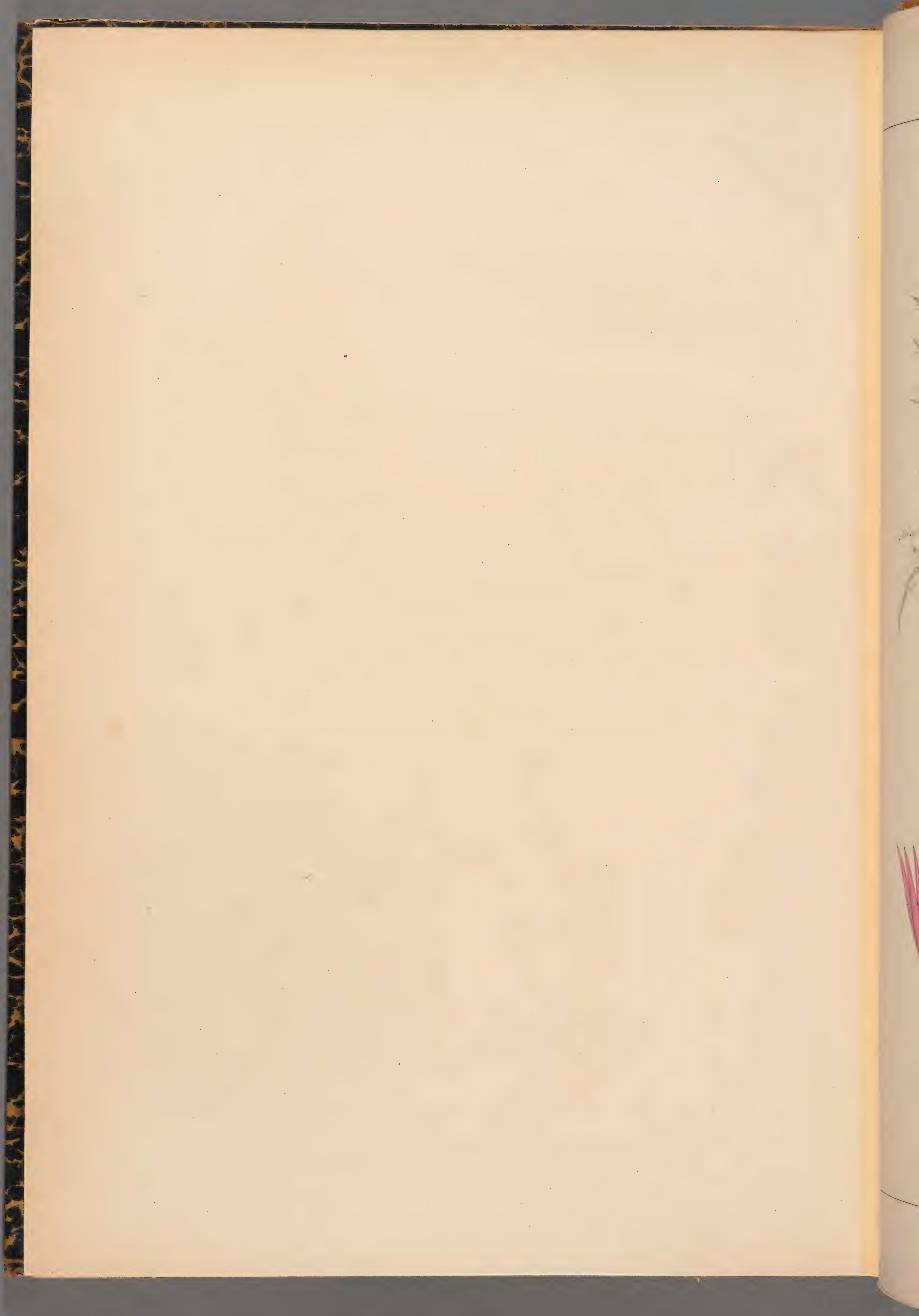






ATRACTYLIS CANCELLATA. L. ①



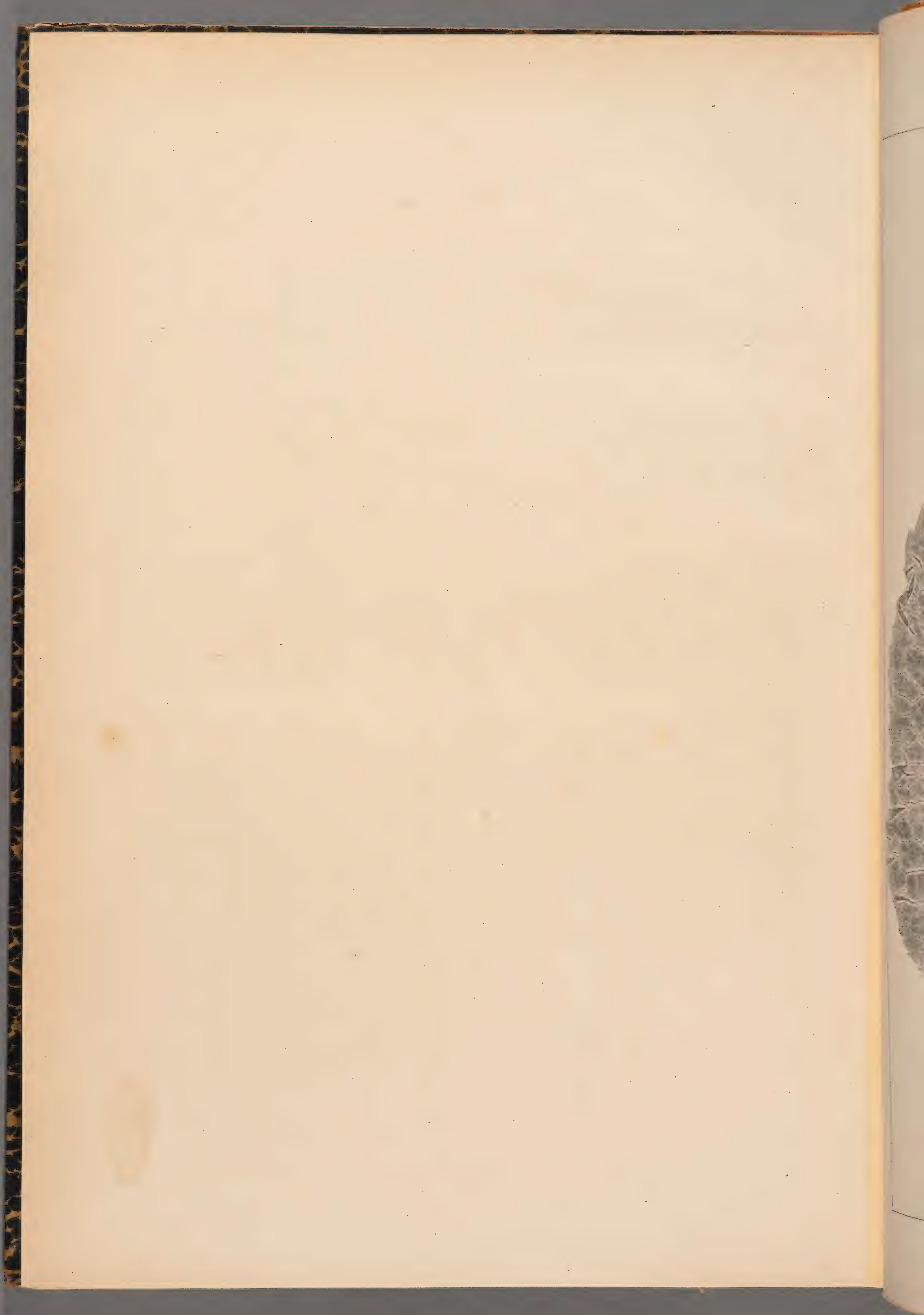




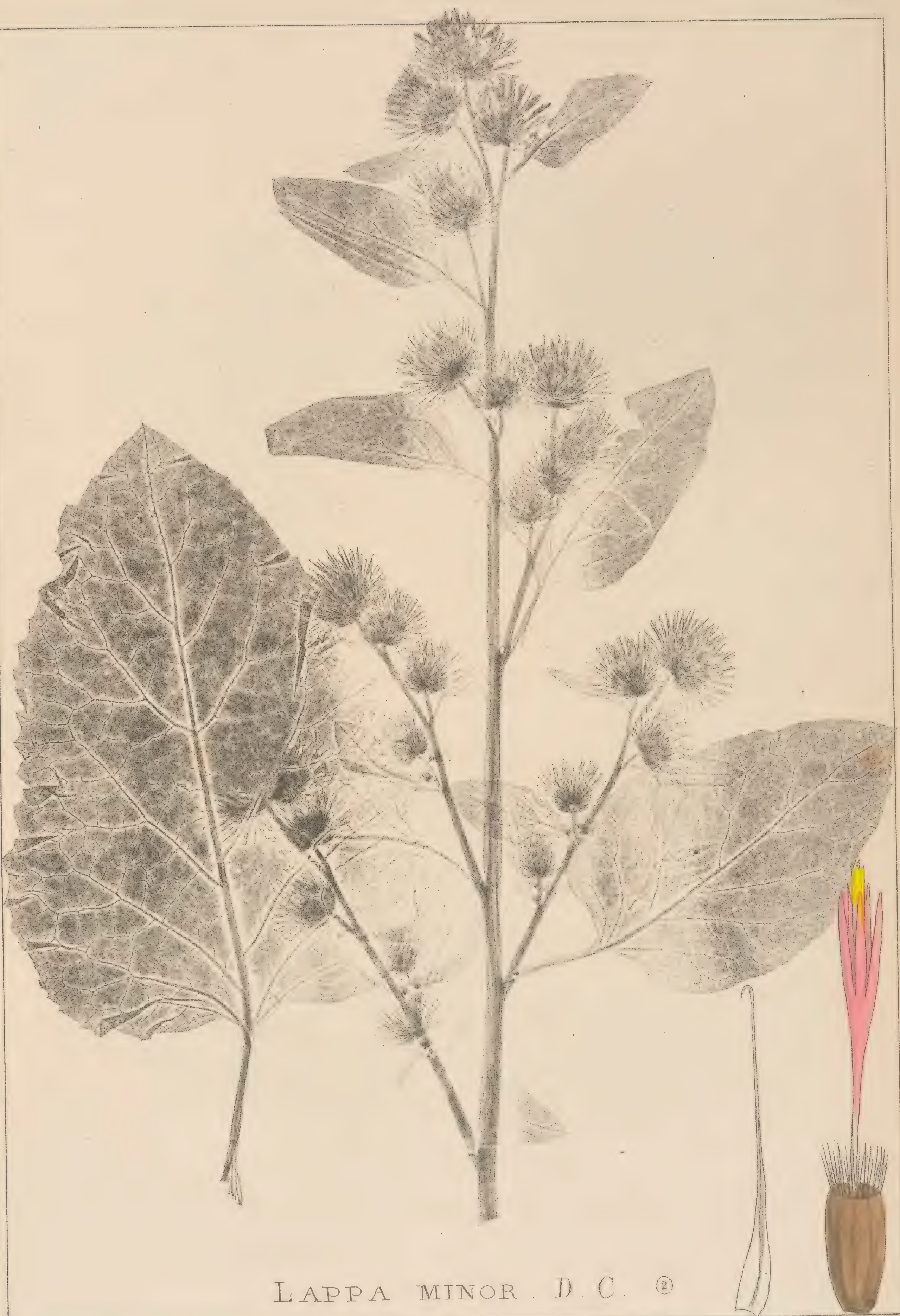


A . HUMILIS . L. ♀



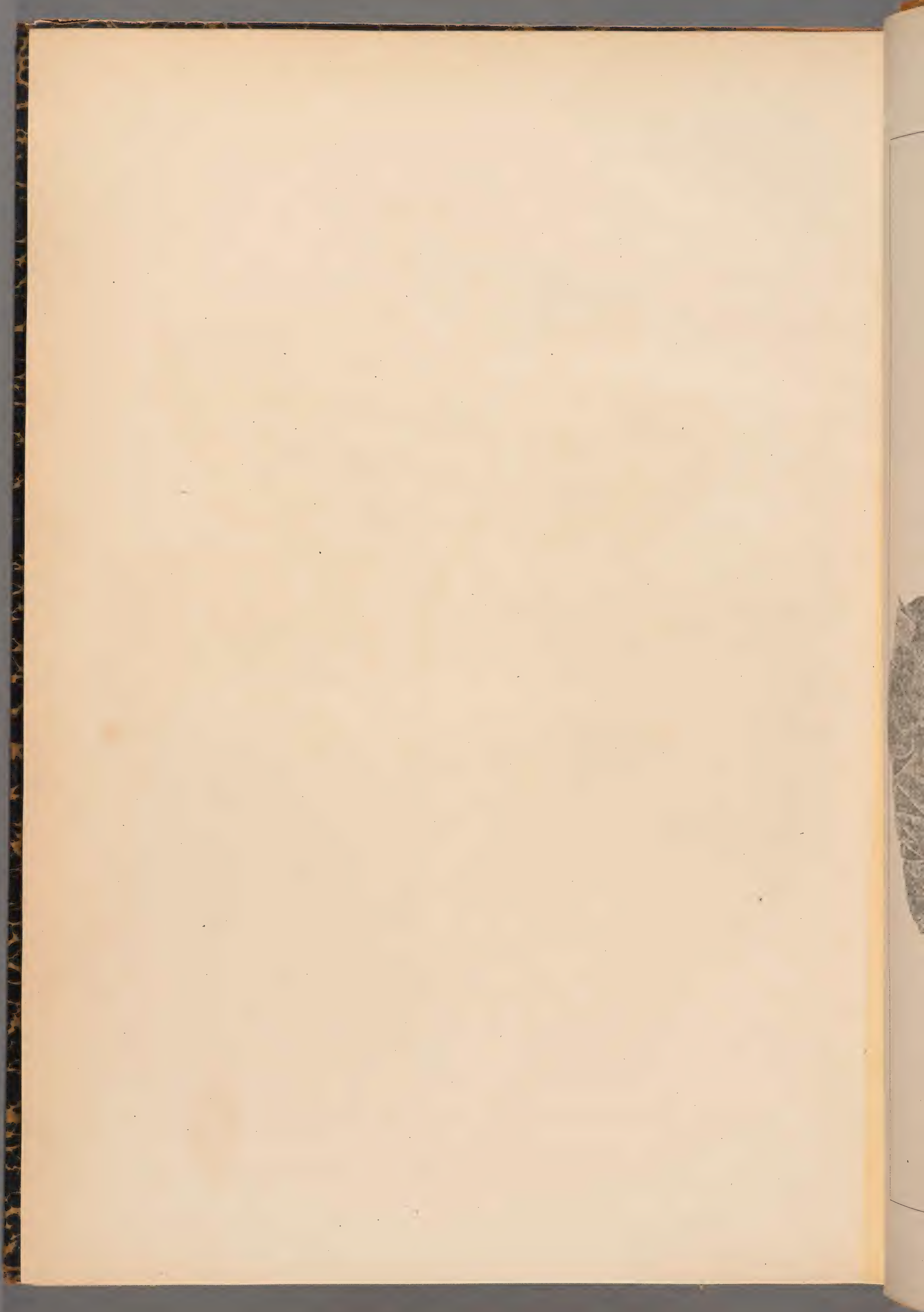






LAPPA MINOR . D . C . ②



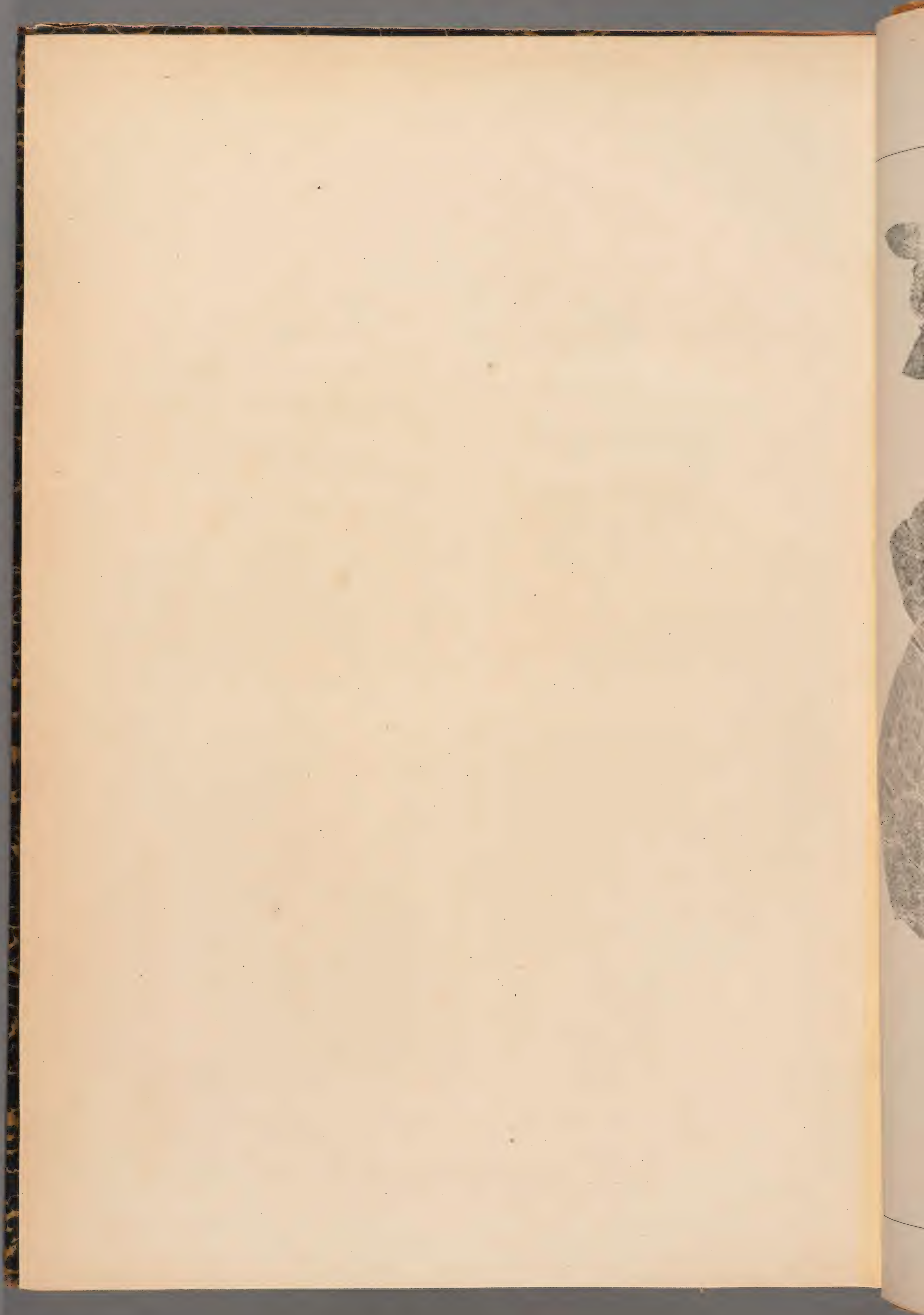




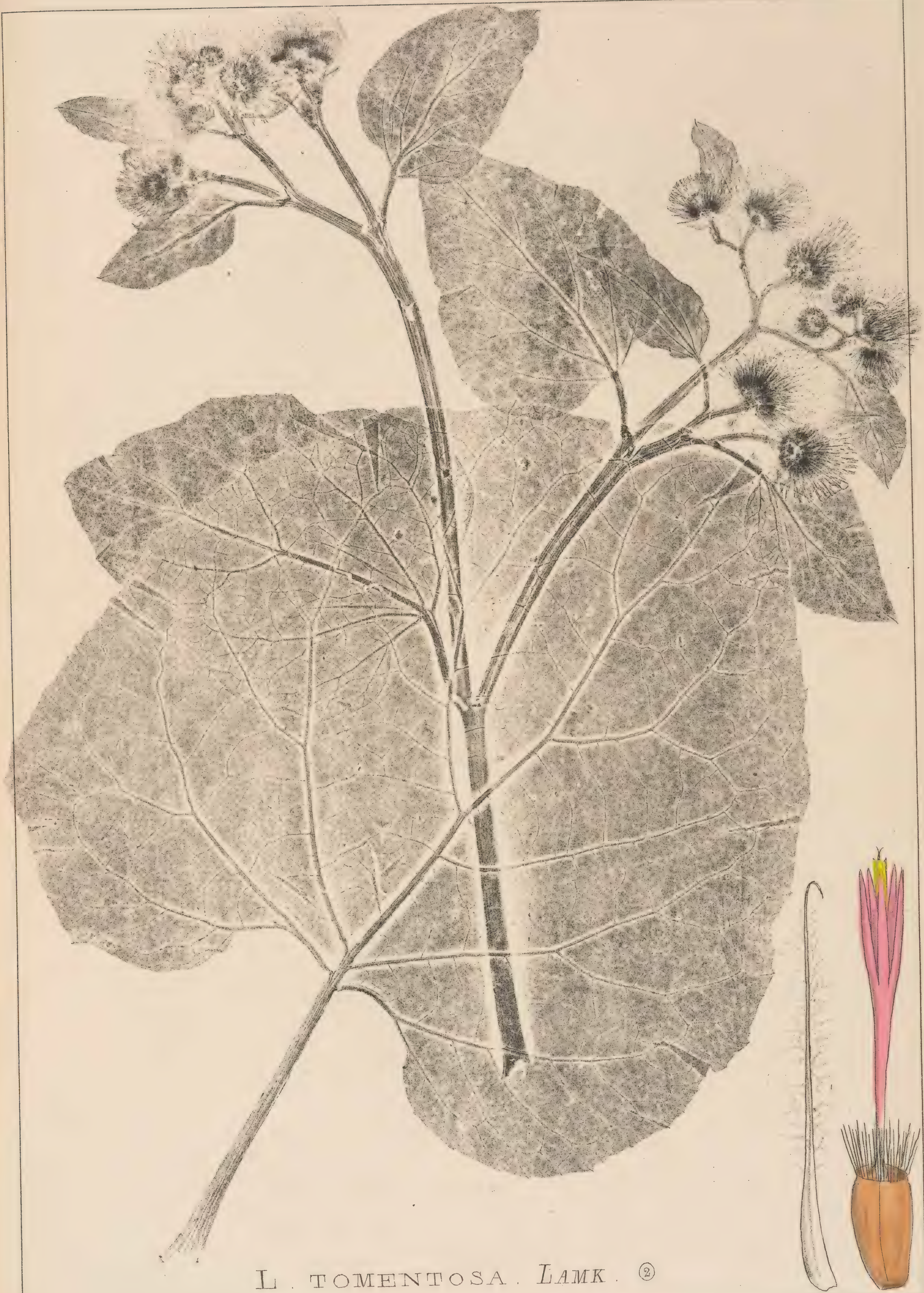


L. MAJOR. GERTN. ②



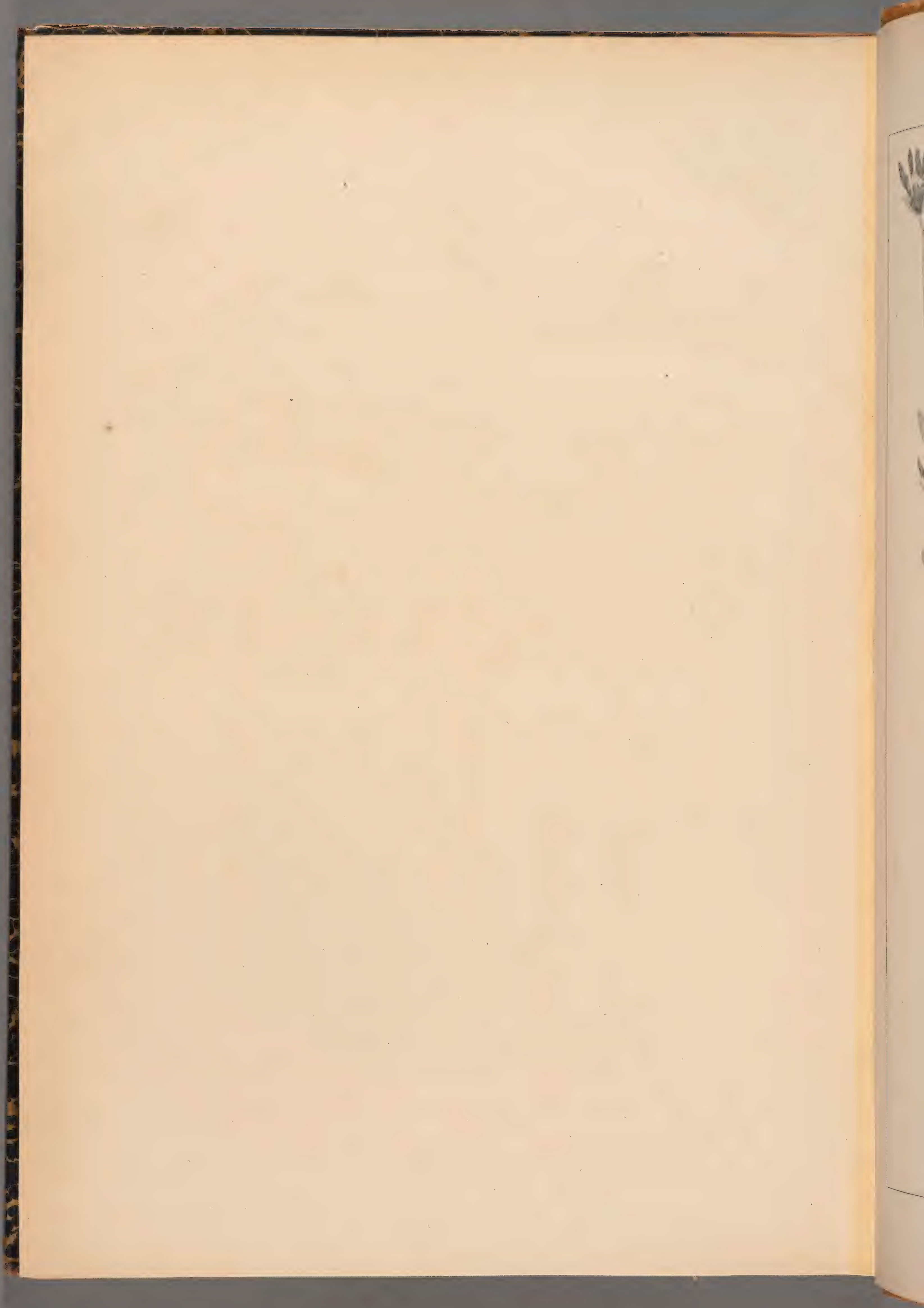






L. TOMENTOSA. LAMK. (2)



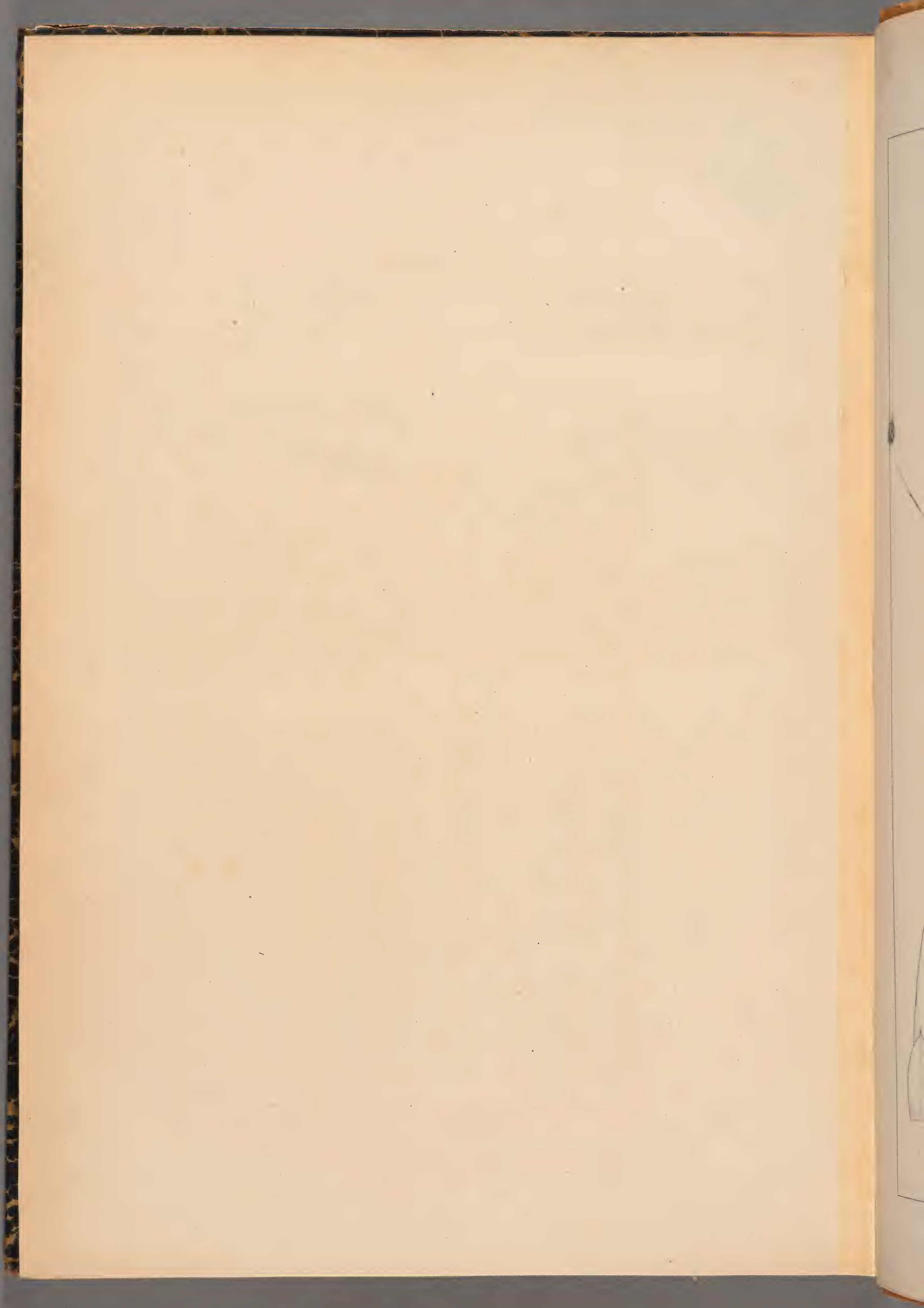






XERANTHEMUM ANNUM. L. ④



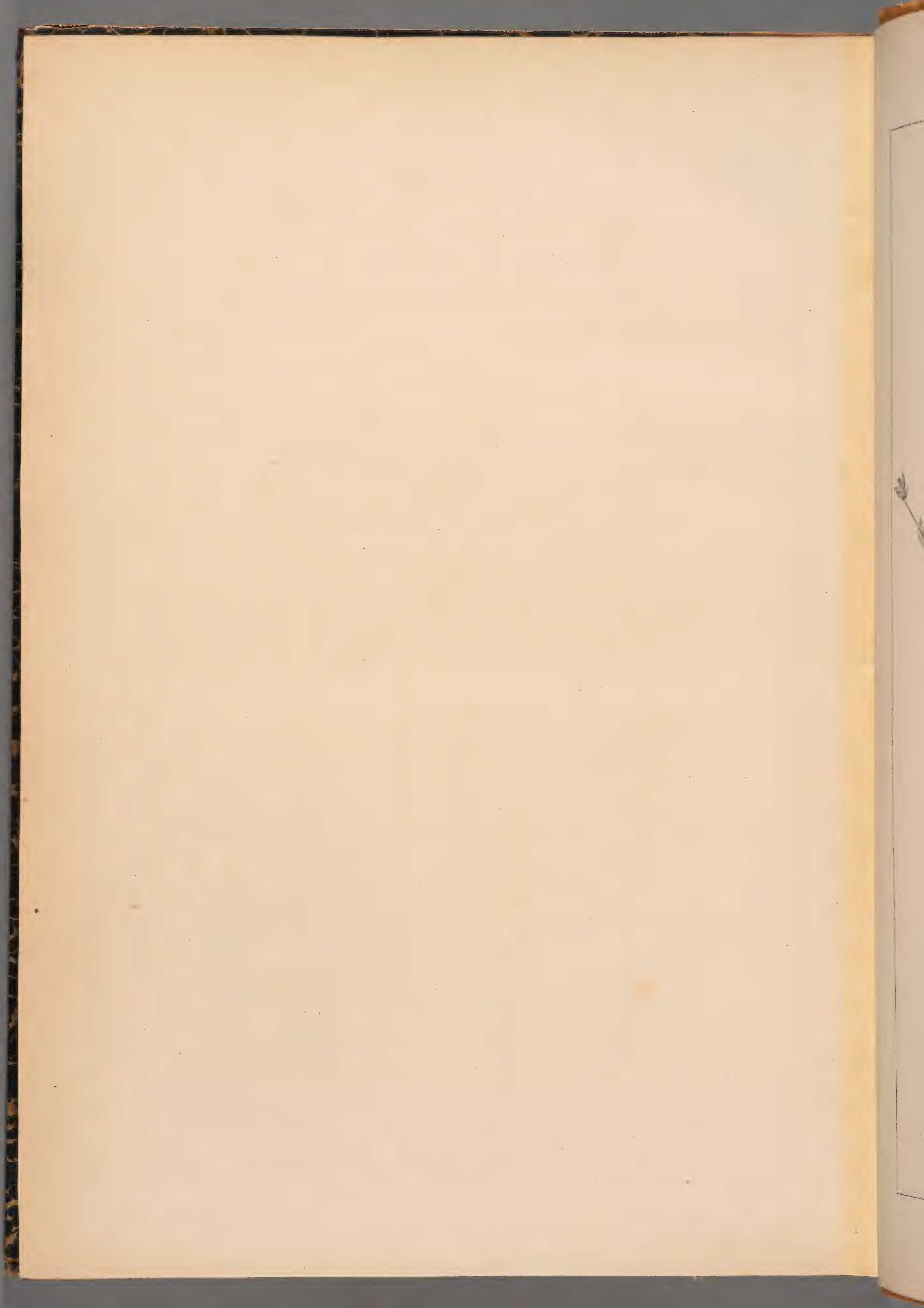






X. INAPERTUM. WILLD. ①









X . CYLINDRACEUM . SIBTH . ④



